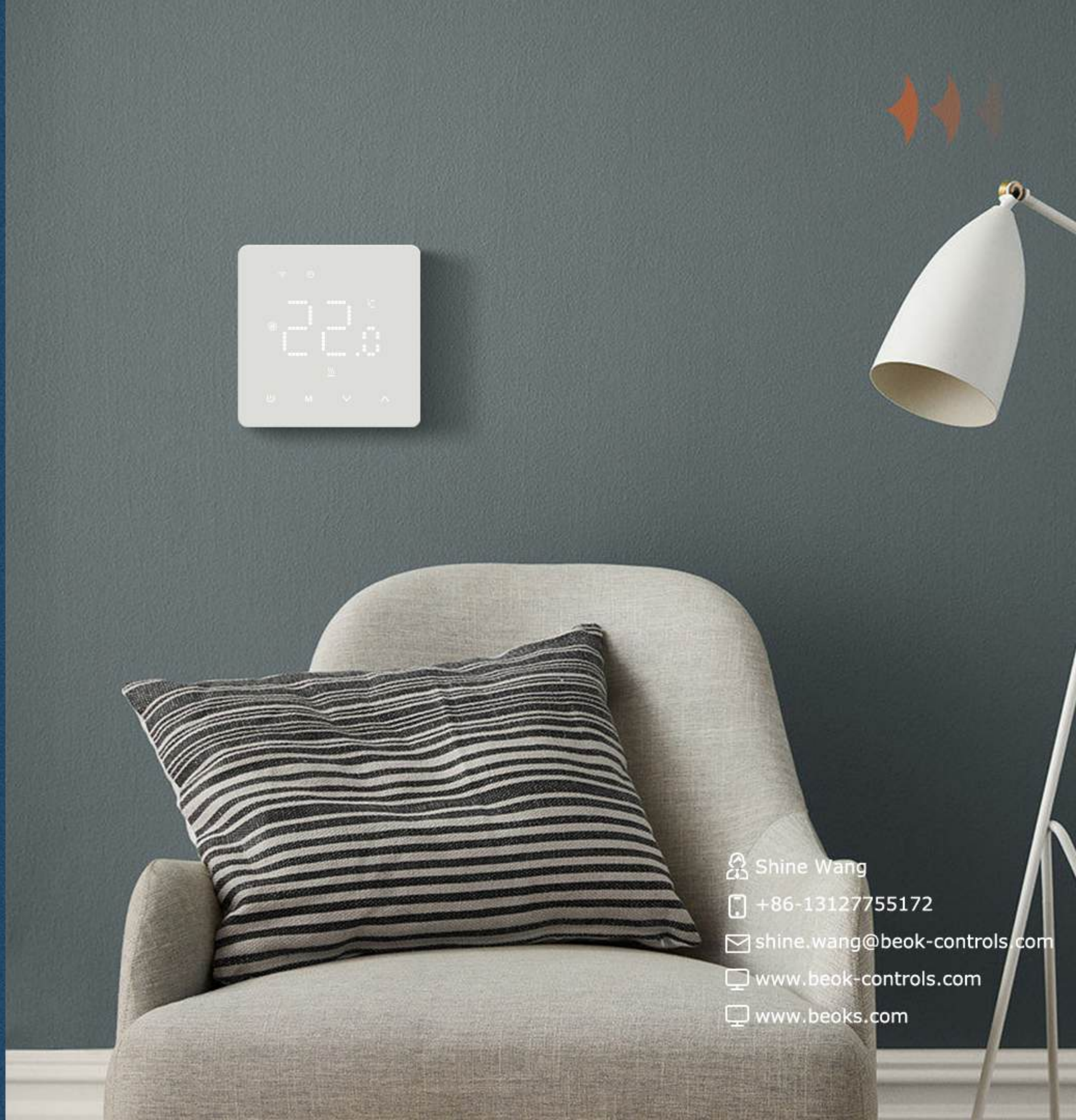




BEOK 2025 CATALOG

Smart Room Thermostat



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About BEOK

CE RoHS RED EAC

Shanghai Beok Controls Co., Ltd, founded in 2010, has over 10 years experience to integrate the research, development and production of HVAC control system products. We adhere to the strict and practical product requirements, and take a serious and responsible attitude to provide every customer with better products and better services.



BEOK Service



Customize
Program



Customize
App



Design/
Printing



Customize
Product Color



Customize
Package



ODM
Service

THERMOSTAT

1 Underfloor Heating Thermostat

2 Gas Boiler Thermostat

3 Fan Coil Thermostat



Main Functions of BEOK Thermostats



App control

(Wi-Fi model only)

Control the heater remotely by smart phone.



Voice control

(Wi-Fi model only)

Controlling the heater via smart speakers.



Programmable schedule

Set the temperature for each time of day and make it cycle automatically every day.



Temperature calibration

Calibrate thermostat display to actual room temperature.



Child lock

Lock the keypad when you need it to avoid misuse.



Non-volatile memory

Various current settings of the thermostat can be memorized in case of power failure.



Anti-freeze

Maintains room temperature at 5°C to prevent electronic devices from freezing. Can be turned on or off in the advanced settings.



Adjustable backlight

The brightness of the backlight can be adjusted so that the glare does not affect your rest.



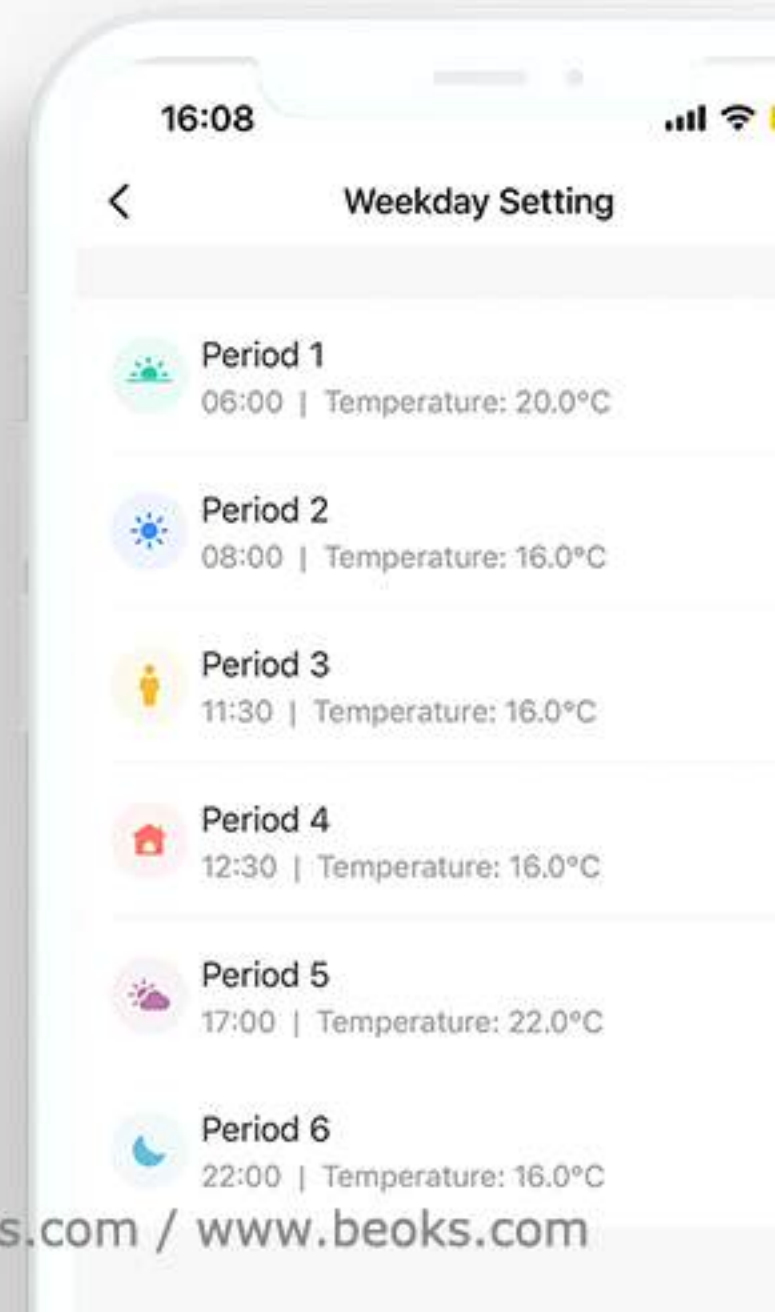
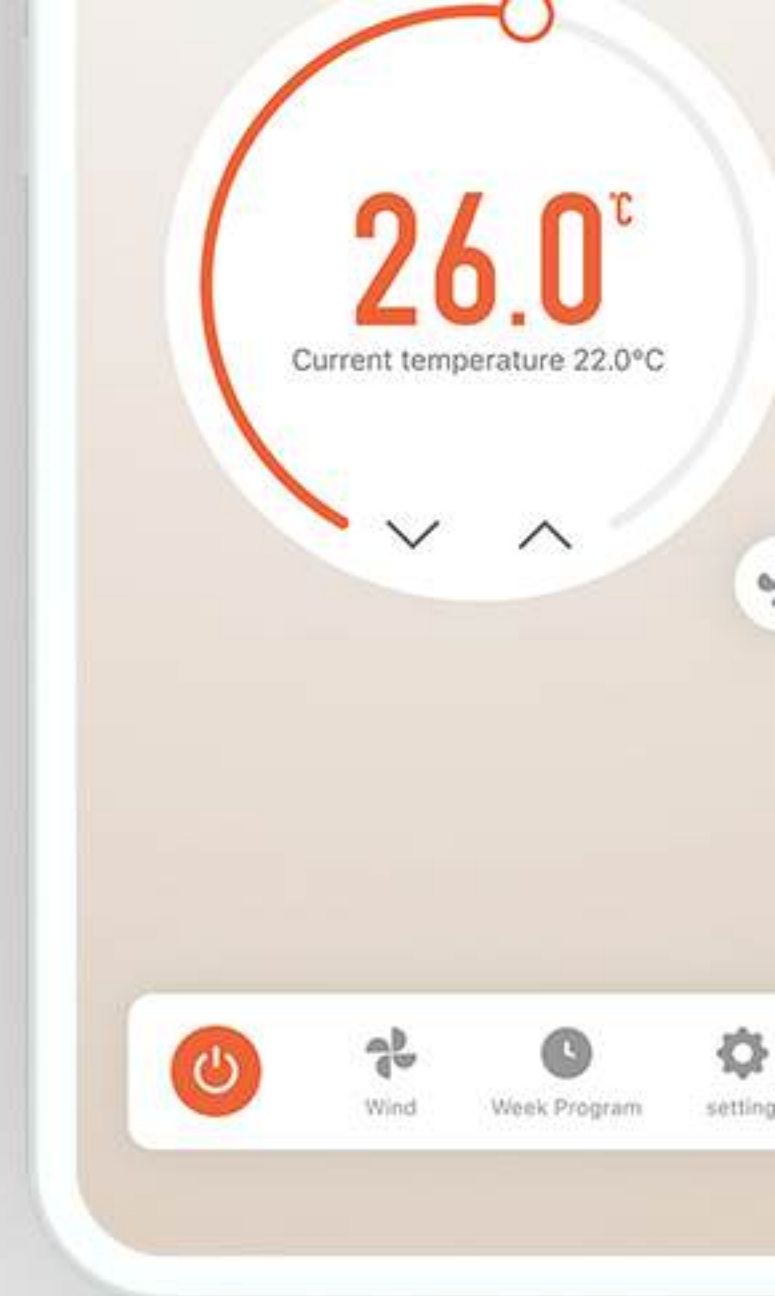
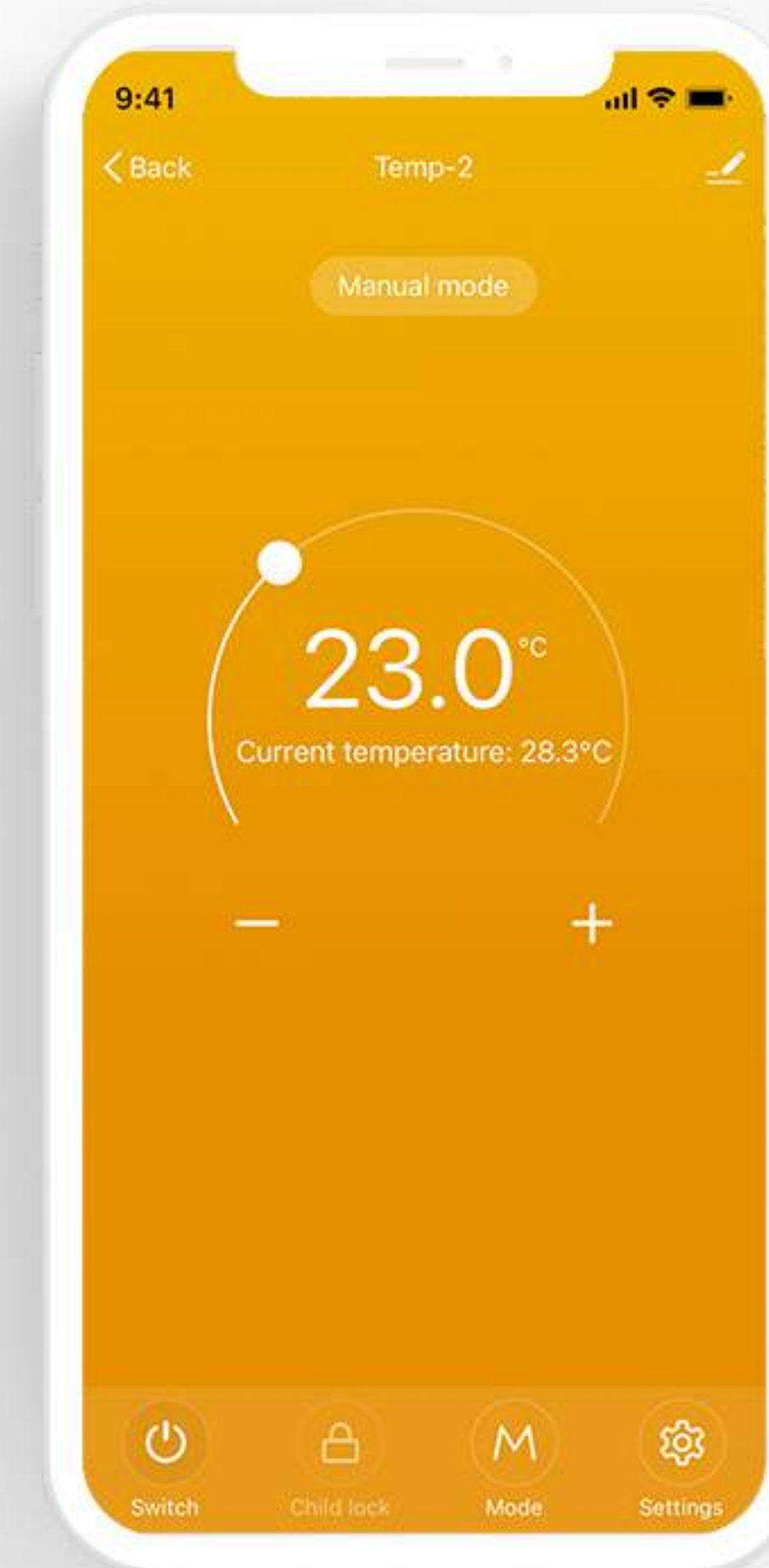
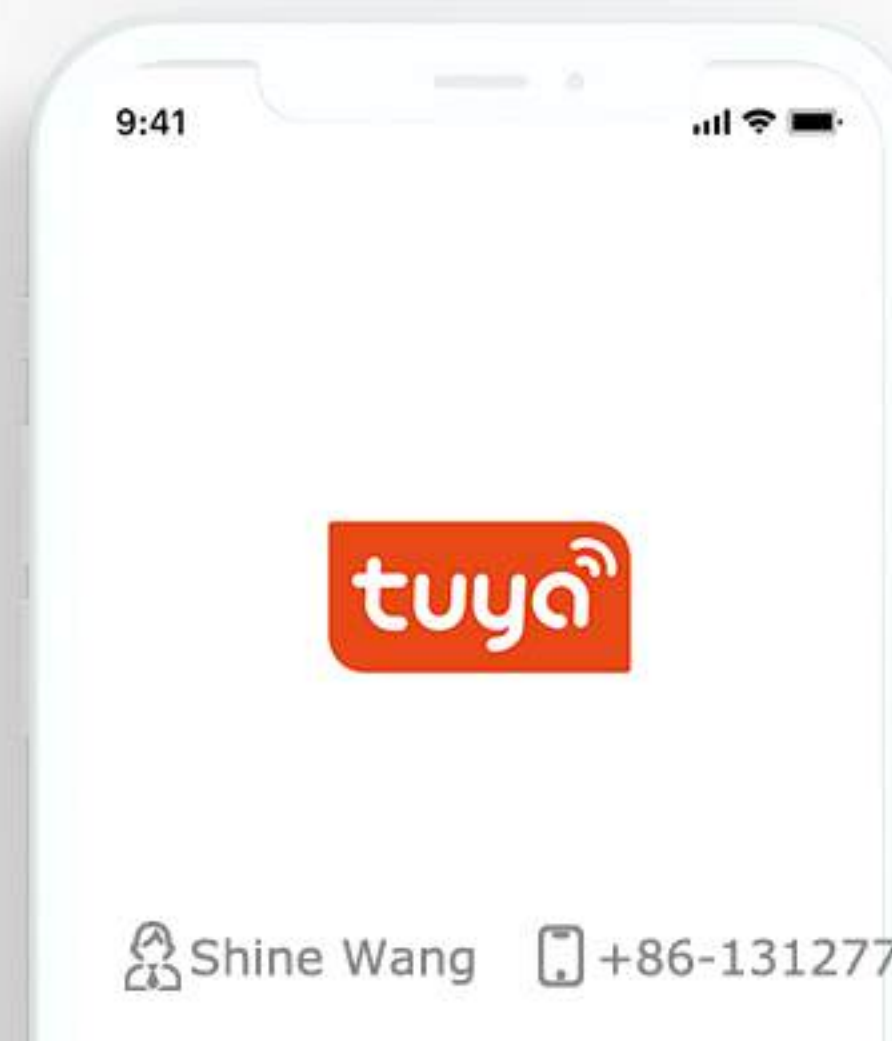
Constant temperature

The temperature hysteresis can be set to a minimum of 0.5°C, effectively preventing indoor temperature differences.

Individual functions may vary depending on the model, please refer the product introduction page for details.

BEOK Products

Thermostat App Interface



Underfloor Heating Thermostat

Controls include:

- **Electric underfloor heating:** electric heating mat, electric heating film or electric heating cable;
- **Water underfloor heating:** electric valves or actuators.



TOL47

👉 P12



TGM50

👉 P13



TGP53

👉 P14



TGP508

👉 P14



TGP51G

👉 P15



TGW60

👉 P17



TGR85

👉 P18



TGR86

👉 P18



TDR83

👉 P18



TDR89

👉 P18



TS4

👉 P21



TGT70

👉 P22



TDS21

👉 P22



TDS23

👉 P22



TOL313

👉 P22



TDS72

👉 P25



TDS75

👉 P25



TGT79

👉 P25



TC38

👉 P27

Gas Boiler Thermostat

Controls include:

- Wired thermostat for gas boiler
- Wireless thermostat for gas boiler

Wired Thermostat for Gas Boiler



TOL47-WPB

👉 P30



TGM50-WPB

👉 P31



TGP53-WPB

👉 P32



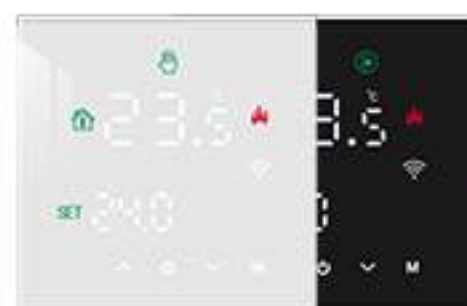
TGP508-WPB

👉 P32



TGP51G-WPB

👉 P34



TGW60-WPB

👉 P35



TGR85-WPB

👉 P36



TGR86-WPB

👉 P36



TDR83-WPB

👉 P36



TDR89-WPB

👉 P36



TS4-WPB

👉 P39



TGT70-WPB

👉 P40



TDS21-WPB

👉 P40



TDS23-WPB

👉 P40



BOT-313WIFI

👉 P40



TDS72-WPB

👉 P43



TDS75-WPB

👉 P43



TGT79-WPB

👉 P43



TC38-WPB

👉 P45



BOT-323W

👉 P46



BOT-313W

👉 P47



BOT-R6W

👉 P48



BOT-W306

👉 P49



BOT-R9V-WIFI

👉 P50

Wireless Thermostat for Gas Boiler



BOT-R7X

👉 P52



BOT-306RF-WIFI

👉 P53



BOT-X306

👉 P53



BOT-R6X

👉 P55

Fan Coil Thermostat

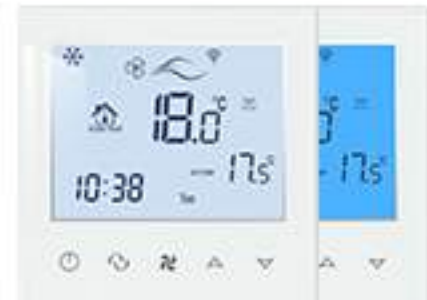
Controls include:

- Thermostat for 2-pipe fan Coil
- Thermostat for 4-pipe fan Coil



TGT70-AC

👉 P57



TDS21-AC

👉 P57



TDS23-AC

👉 P57



TGP51G-AC

👉 P59



TOL43-AC

👉 P60



TOL63R-AC

👉 P61



TOL313-AC

👉 P62

Underfloor Heating Thermostat

There are two options for underfloor heating thermostats, for electric heating and for water heating.

For Electric Underfloor Heating



For Water Underfloor Heating



BEOK Underfloor Heating Thermostat



86x86x14mm. Frosted case with large anti-reflective LCD screen. 5 mechanical keys.

Work with Tuya apps  | iOS & Android

Support smart speakers   



Technical Data

Power supply
AC100~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

External material
PC+ABS (flame retardant)

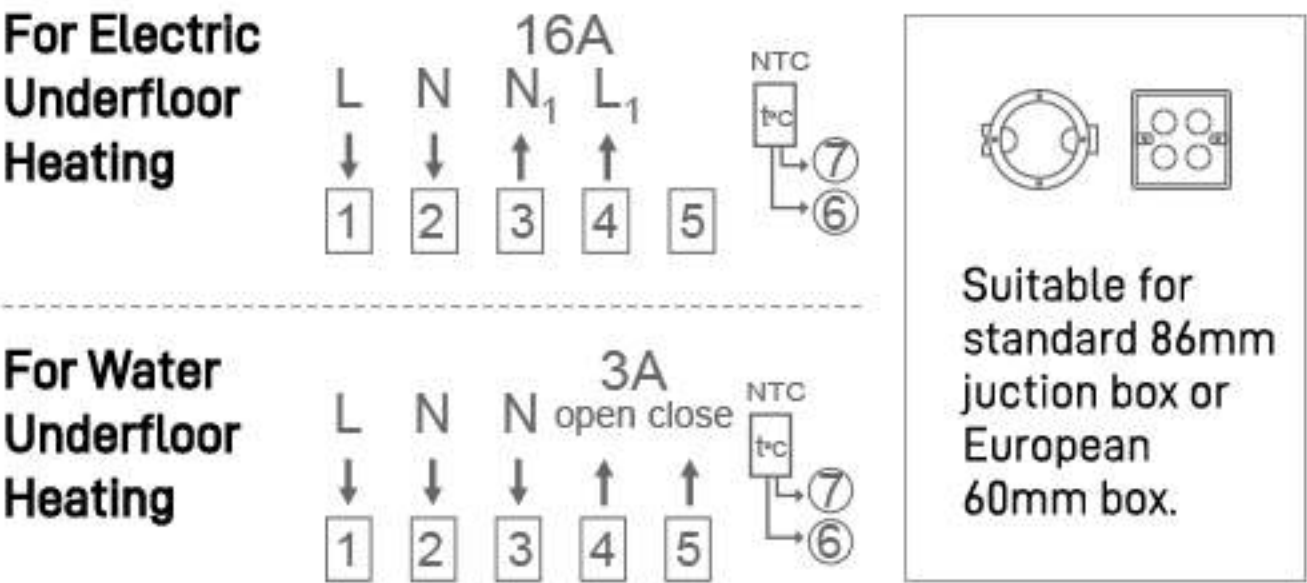
Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TOL47-EP	✓	✓	✗	✗	✓
TOL47-WP	✓	✗	✓	✗	Optional
TOL47-WIFI-EP	✓	✓	✗	✓	✓
TOL47-WIFI-WP	✓	✗	✓	✓	Optional

BEOK Underfloor Heating Thermostat

Model No. **TGM50** 86x86x12.5mm. Frosted one-piece body with 4 touch keys. 2 colors optional.

Work with Tuya apps  | iOS & Android

 **zigbee** | Zigbee Model Optional | Support smart speakers   



TGM50



TGM50B



Special Feature



Open-window Detection

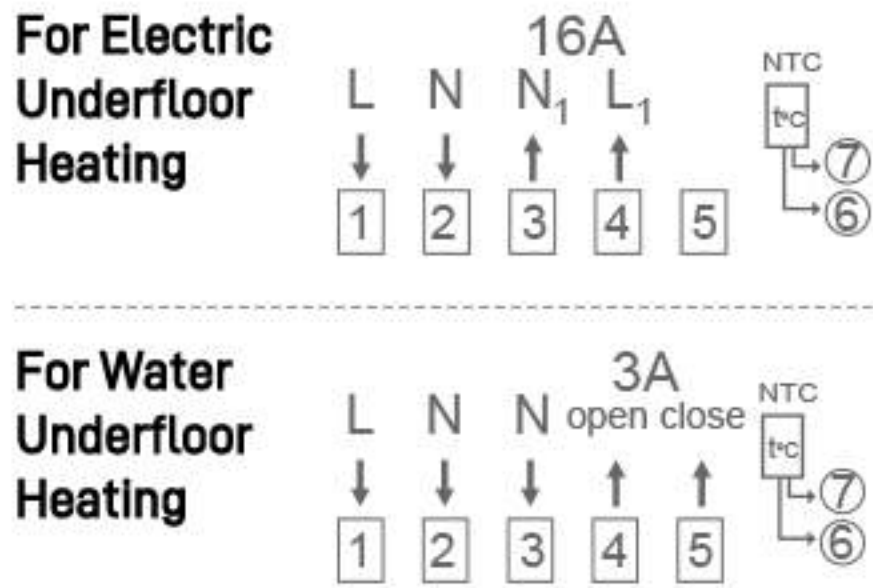
This thermostat stops heating when there is a sudden drop in room temperature to minimize wasted energy due to open windows.

Technical Data

Power supply
AC100~240V;
50/60Hz
Load current
Water heater 3A
Electric heater 16A
External material
PC+ABS (flame
retardant)

Working environment
-5~50°C
Set temp. range
5~95°C (default 60°C)
Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)
Temperature sensor
NTC

Wiring Diagram




Suitable for standard 86mm junction box or European 60mm box.

Selection Table

Model	Power Supply	Application		Recmote Control		Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	Zigbee	External Sensor
TGM50-EP / TGM50B-EP	✓	✓	✗	✗	✗	✓
TGM50-WP / TGM50B-WP	✓	✗	✓	✗	✗	Optional
TGM50-WIFI-EP / TGM50B-WIFI-EP	✓	✓	✗	✓	✗	✓
TGM50-WIFI-WP / TGM50B-WIFI-WP	✓	✗	✓	✓	✗	Optional
TGM50-ZB-EP / TGM50B-ZB-EP	✓	✓	✗	✗	✓	✓
TGM50-ZB-WP / TGM50B-ZB-WP	✓	✗	✓	✗	✓	Optional

TGP5 Series Thermostats

Work with Tuya apps  | iOS & Android  Support smart speakers   

Technical Data

- Power supply**
AC100~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

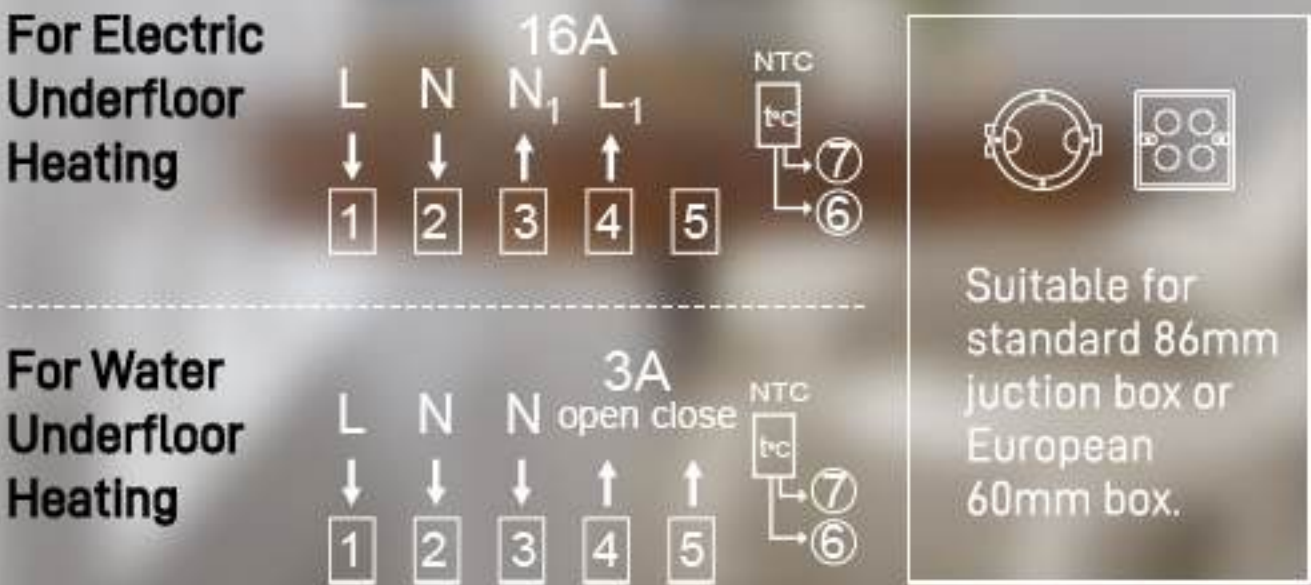
External material
PC+ABS (flame retardant)

Working environment
-5~50°C
- Set temp. range**
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram



TGP53



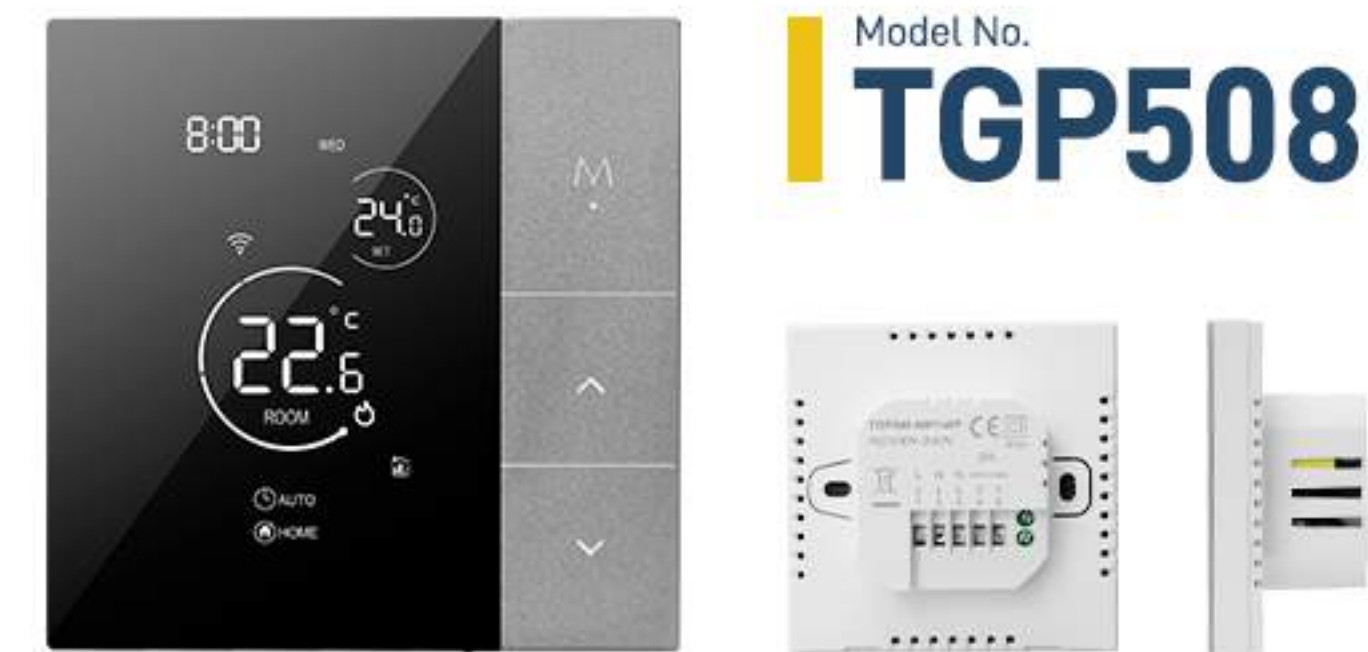
TGP508



86x86x13mm.
Glass screen, 3 subtle shiny silver physical buttons with icons that light up when woken up.

Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TGP53-EP	✓	✓	✗	✗	✓
TGP53-WP	✓	✗	✓	✗	Optional
TGP53-WIFI-EP	✓	✓	✗	✓	✓
TGP53-WIFI-WP	✓	✗	✓	✓	Optional



86x86x14mm. 3 vertically distributed touch keys.

Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TGP508-EP	✓	✓	✗	✗	✓
TGP508-WP	✓	✗	✓	✗	Optional
TGP508-WIFI-EP	✓	✓	✗	✓	✓
TGP508-WIFI-WP	✓	✗	✓	✓	Optional

BEOK Underfloor Heating Thermostat



Model No.
TGP51G



86x86x13mm.
Glass screen, 4 touch keys with silver icons.

Work with Tuya apps or BEOK Home    | iOS & Android

Support smart speakers   

Technical Data

- Power supply**
AC200~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

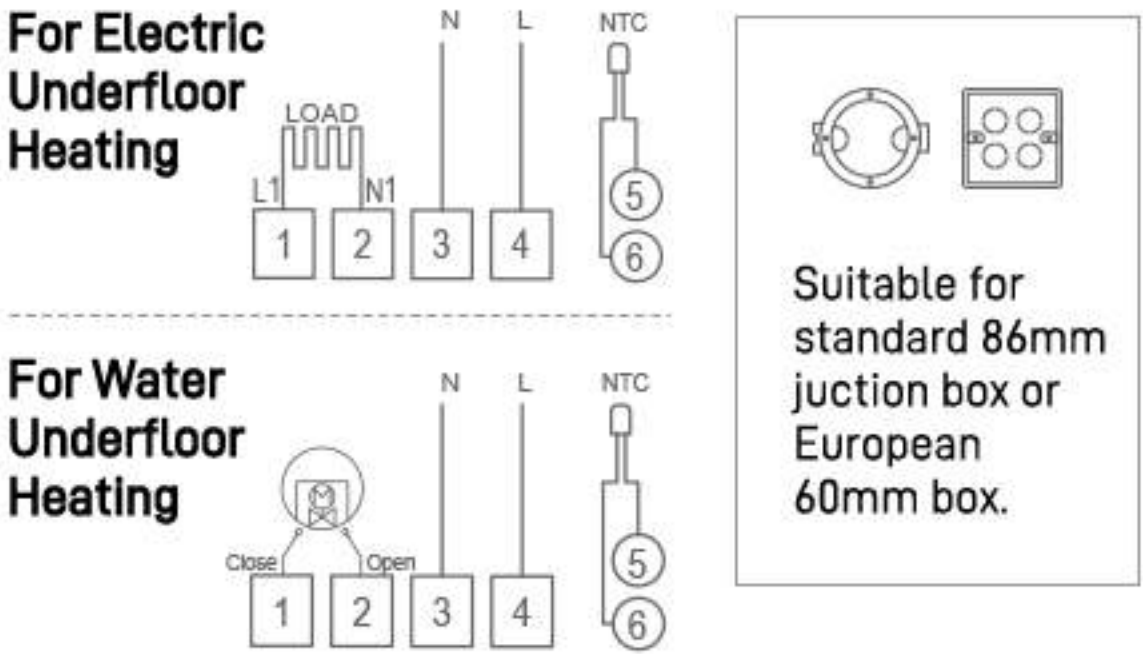
External material
PC+ABS (flame retardant)

Working environment
-5~50°C
- Set temp. range**
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor
NTC

Wiring Diagram



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 200~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TGP51G-EP	✓	✓	✗	✗	✓
TGP51G-WP	✓	✗	✓	✗	Optional
TGP51G-WIFI-EP	✓	✓	✗	✓	✓
TGP51G-WIFI-WP	✓	✗	✓	✓	Optional

BEOK Underfloor Heating Thermostat

Model No. **TGW60** 86x86x12.5mm. LCD glass display with touch keys.
2 colors optional.

Work with Tuya apps  | iOS & Android

Support smart speakers   



TGW60W



TGW60B



Technical Data

Power supply
AC100~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

External material
PC+ABS (flame retardant)

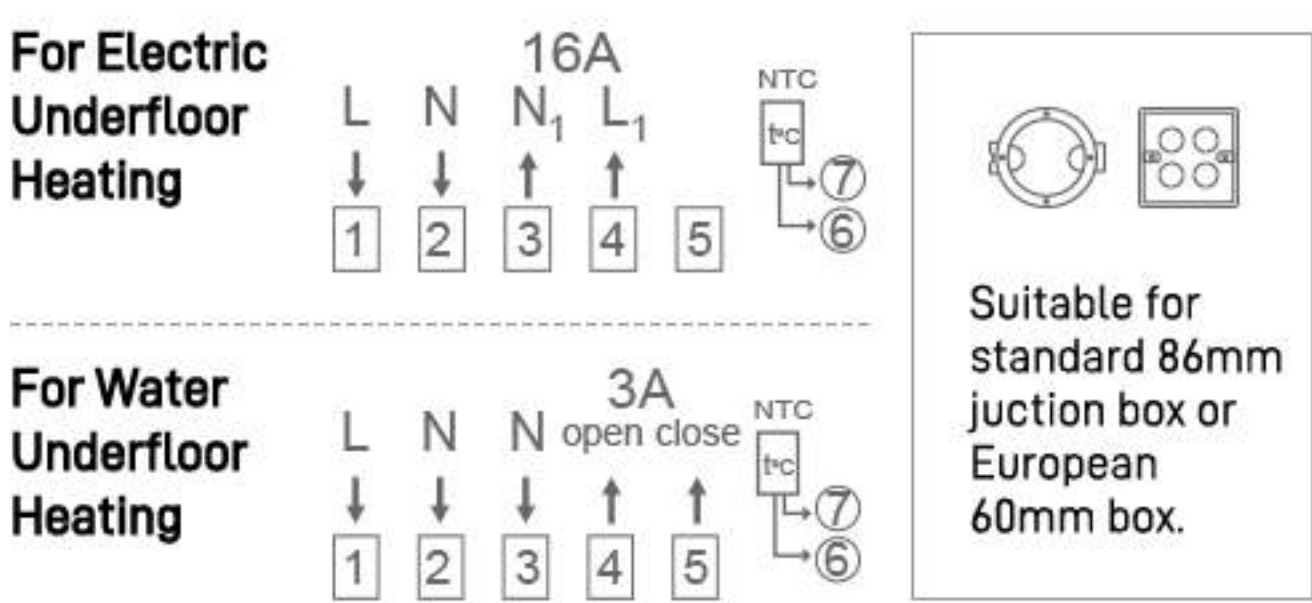
Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor
NTC

Wiring Diagram



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TGW60W-EP / TGW60B-EP	✓	✓	✗	✗	✓
TGW60W-WP / TGW60B-WP	✓	✗	✓	✗	Optional
TGW60W-WIFI-EP / TGW60B-WIFI-EP	✓	✓	✗	✓	✓
TGW60W-WIFI-WP / TGW60B-WIFI-WP	✓	✗	✓	✓	Optional

TDR8 Series Thermostats

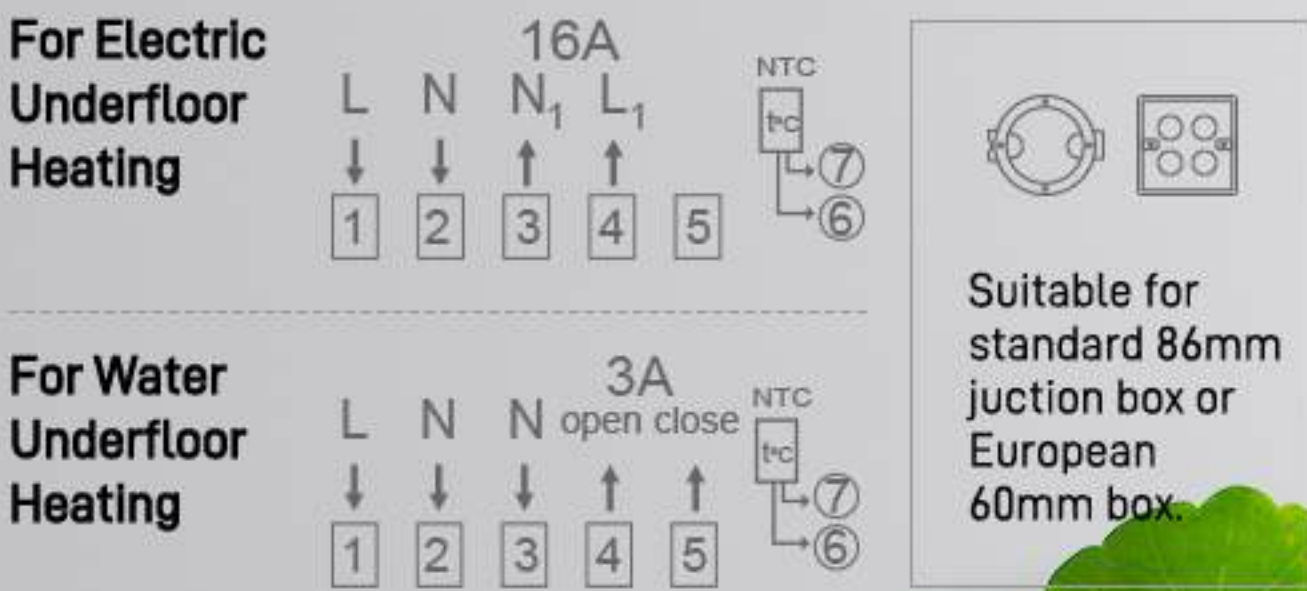
Work with Tuya apps  | iOS & Android

Support smart speakers   

Technical Data

- Power supply**
AC100~240V; 50/60Hz
- Load current**
Water heater 3A
Electric heater 16A
- External material**
PC+ABS (flame retardant)
- Working environment**
-5~50°C
- Set temp. range**
5~95°C (default 60°C)
- Temperature hysteresis**
±0.5~±9.9°C Adjustable
(default ±1°C)
- Temperature sensor**
NTC

Wiring Diagram



TGR86



TGR85



TDR83



TDR89

Model No. **TGR85** 86x90x14mm.
Glass mirror surface with touch keys.

 **zigbee** | Zigbee Model Optional



Selection Table

Model	Power Supply	Application		Remote Control		Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	Zigbee	External Sensor
TGR85-EP	✓	✓	×	×	×	✓
TGR85-WP	✓	×	✓	×	×	Optional
TGR85-WIFI-EP	✓	✓	×	✓	×	✓
TGR85-WIFI-WP	✓	×	✓	✓	×	Optional
TGR85-ZB-EP	✓	✓	×	×	✓	✓
TGR85-ZB-WP	✓	×	✓	×	✓	Optional

Model No. **TDR83** 86x86x18mm.
Touch keys. 2 colors optional.



Selection Table

Model	Power Supply	Application		Remote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TDR83W-EP	✓	✓	×	×	✓
TDR83W-WP	✓	×	✓	×	Optional
TDR83W-WIFI-EP	✓	✓	×	✓	✓
TDR83W-WIFI-WP	✓	×	✓	✓	Optional
TDR83B-EP	✓	✓	×	×	✓
TDR83B-WP	✓	×	✓	×	Optional
TDR83B-WIFI-EP	✓	✓	×	✓	✓
TDR83B-WIFI-WP	✓	×	✓	✓	Optional

Model No. **TGR86** 86x86x18mm.
Glass mirror surface with touch keys.



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TGR86-EP	✓	✓	✗	✗	✓
TGR86-WP	✓	✗	✓	✗	Optional
TGR86-WIFI-EP	✓	✓	✗	✓	✓
TGR86-WIFI-WP	✓	✗	✓	✓	Optional

Model No. **TDR89** 86x86x14mm.
2 colors optional. TDR89W: white backlight with silver touch keys.
TDR89B: negative display with touch keys that glows red when woken up.

 **zigbee** | Zigbee Model Optional



Selection Table

Model	Power Supply	Application		Recmote Control		Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	Zigbee	External Sensor
TDR89W-EP	✓	✓	✗	✗	✗	✓
TDR89W-WP	✓	✗	✓	✗	✗	Optional
TDR89W-WIFI-EP	✓	✓	✗	✓	✗	✓
TDR89W-WIFI-WP	✓	✗	✓	✓	✗	Optional
TDR89W-ZB-EP	✓	✓	✗	✗	✓	✓
TDR89W-ZB-WP	✓	✗	✓	✗	✓	Optional
TDR89B-EP	✓	✓	✗	✗	✗	✓
TDR89B-WP	✓	✗	✓	✗	✗	Optional
TDR89B-WIFI-EP	✓	✓	✗	✓	✗	✓
TDR89B-WIFI-WP	✓	✗	✓	✓	✗	Optional
TDR89B-ZB-EP	✓	✓	✗	✗	✓	✓
TDR89B-ZB-WP	✓	✗	✓	✗	✓	Optional

BEOK Underfloor Heating Thermostat

Model No. **TS4** 86x86x14mm. 2 colors optional.
TS4W: Black screen with glossy white touch key area.
TS4G: Black screen with frosted gray touch key area.

Work with Tuya apps  | iOS & Android

Support smart speakers   



Technical Data

Power supply
AC100~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

External material
PC+ABS (flame retardant)

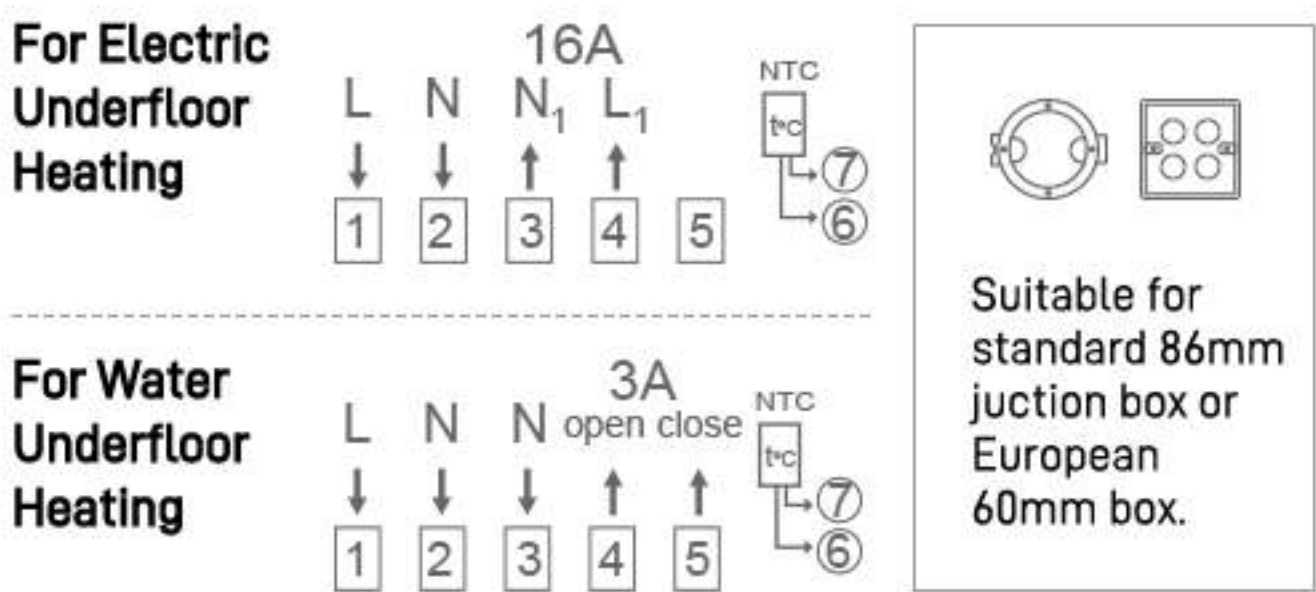
Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor
NTC

Wiring Diagram



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 100~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TS4W-EP / TS4G-EP	✓	✓	✗	✗	✓
TS4W-WP / TS4G-WP	✓	✗	✓	✗	Optional
TS4W-WIFI-EP / TS4G-WIFI-EP	✓	✓	✗	✓	✓
TS4W-WIFI-WP / TS4G-WIFI-WP	✓	✗	✓	✓	Optional

TDS Series Thermostats

Work with Tuya apps or BEOK Home  | iOS & Android

Support smart speakers 

Technical Data

- Power supply**
AC200~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

External material
PC+ABS (flame retardant)

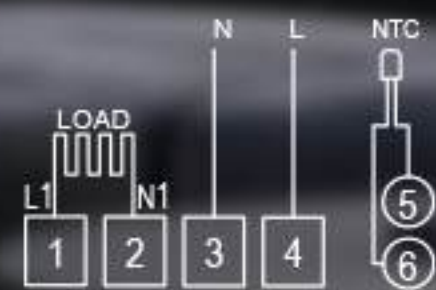
Working environment
-5~50°C
- Set temp. range**
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram

For Electric Underfloor Heating



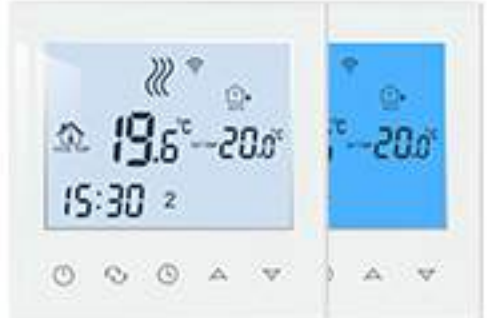
For Water Underfloor Heating



Suitable for standard 86mm junction box or European 60mm box.



TGT70



TDS21



TDS23



TOL313

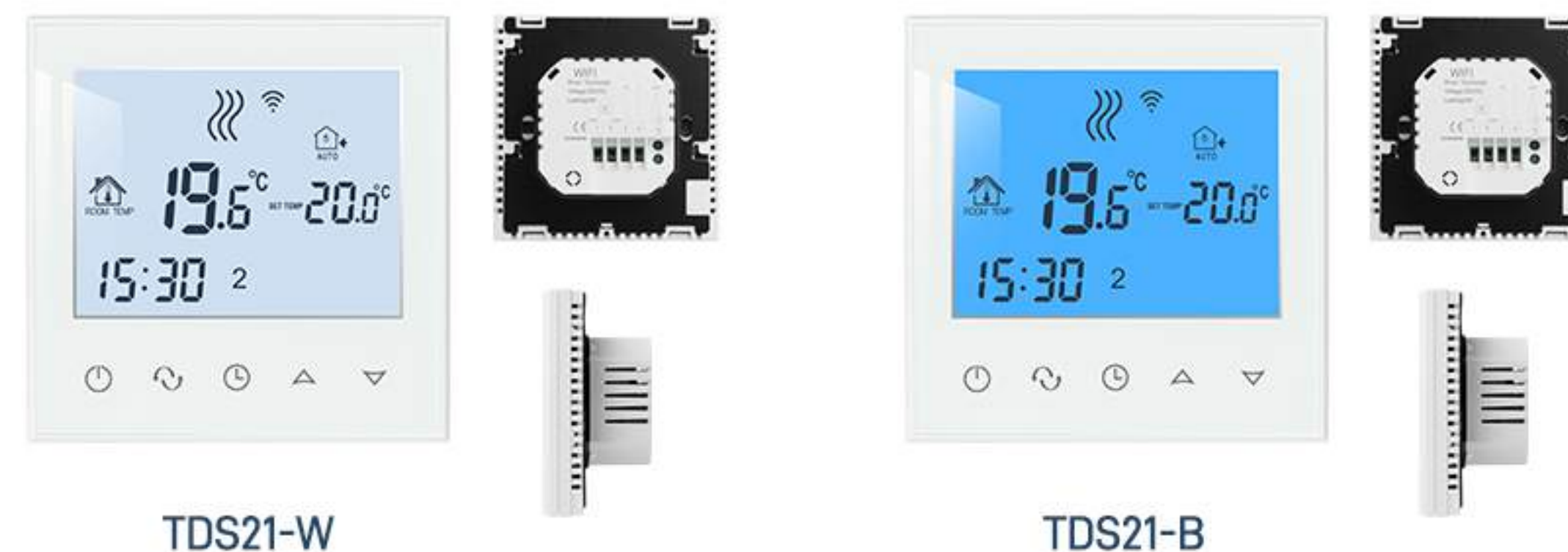
Model No. **TGT70** 86x86x16mm.
Glass screen with touch keys.



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 200~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TGT70-EP	✓	✓	✗	✗	✓
TGT70-WP	✓	✗	✓	✗	Optional
TGT70-WIFI-EP	✓	✓	✗	✓	✓
TGT70-WIFI-WP	✓	✗	✓	✓	Optional

Model No. **TDS21** 86x86x16mm.
Touch keys. 2 backlight colors optional.



Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 200~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TDS21-EP-W	✓	✓	✗	✗	✓
TDS21-WP-W	✓	✗	✓	✗	Optional
TDS21-WIFI-EP-W	✓	✓	✗	✓	✓
TDS21-WIFI-WP-W	✓	✗	✓	✓	Optional
TDS21-EP-B	✓	✓	✗	✗	✓
TDS21-WP-B	✓	✗	✓	✗	Optional
TDS21-WIFI-EP-B	✓	✓	✗	✓	✓
TDS21-WIFI-WP-B	✓	✗	✓	✓	Optional

Model No. **TDS23** 86x86x16mm.
Touch keys. 2 backlight colors optional.



Selection Table

Model	Power Supply	Application		Remote Control	Additional
	AC 200~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TDS23-EP-W	✓	✓	✗	✗	✓
TDS23-WP-W	✓	✗	✓	✗	Optional
TDS23-WIFI-EP-W	✓	✓	✗	✓	✓
TDS23-WIFI-WP-W	✓	✗	✓	✓	Optional
TDS23-EP-B	✓	✓	✗	✗	✓
TDS23-WP-B	✓	✗	✓	✗	Optional
TDS23-WIFI-EP-B	✓	✓	✗	✓	✓
TDS23-WIFI-WP-B	✓	✗	✓	✓	Optional

Model No. **TOL313** 86x86x16mm.
5 Mechanical keys. 2 backlight colors optional.

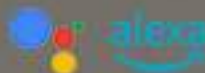


Selection Table

Model	Power Supply	Application		Remote Control	Additional
	AC 200~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TOL313-EP-W	✓	✓	✗	✗	✓
TOL313-WP-W	✓	✗	✓	✗	Optional
TOL313-WIFI-EP-W	✓	✓	✗	✓	✓
TOL313-WIFI-WP-W	✓	✗	✓	✓	Optional
TOL313-EP-B	✓	✓	✗	✗	✓
TOL313-WP-B	✓	✗	✓	✗	Optional
TOL313-WIFI-EP-B	✓	✓	✗	✓	✓
TOL313-WIFI-WP-B	✓	✗	✓	✓	Optional

TDS7 Series Thermostats

Work with Tuya apps or BEOK Home  | iOS & Android

Support smart speakers 

Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

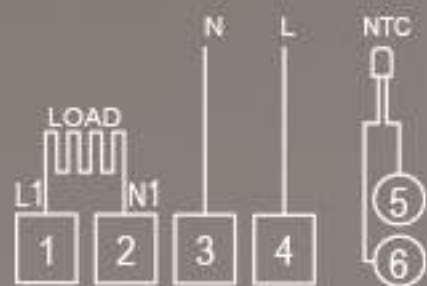
Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

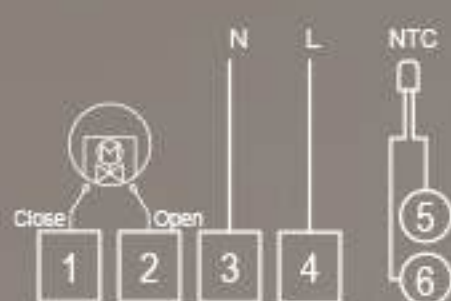
Temperature sensor
NTC

Wiring Diagram

For Electric Underfloor Heating



For Water Underfloor Heating



Suitable for
standard 86mm
junction box or
European
60mm box.



TDS72



TDS75



TGT79



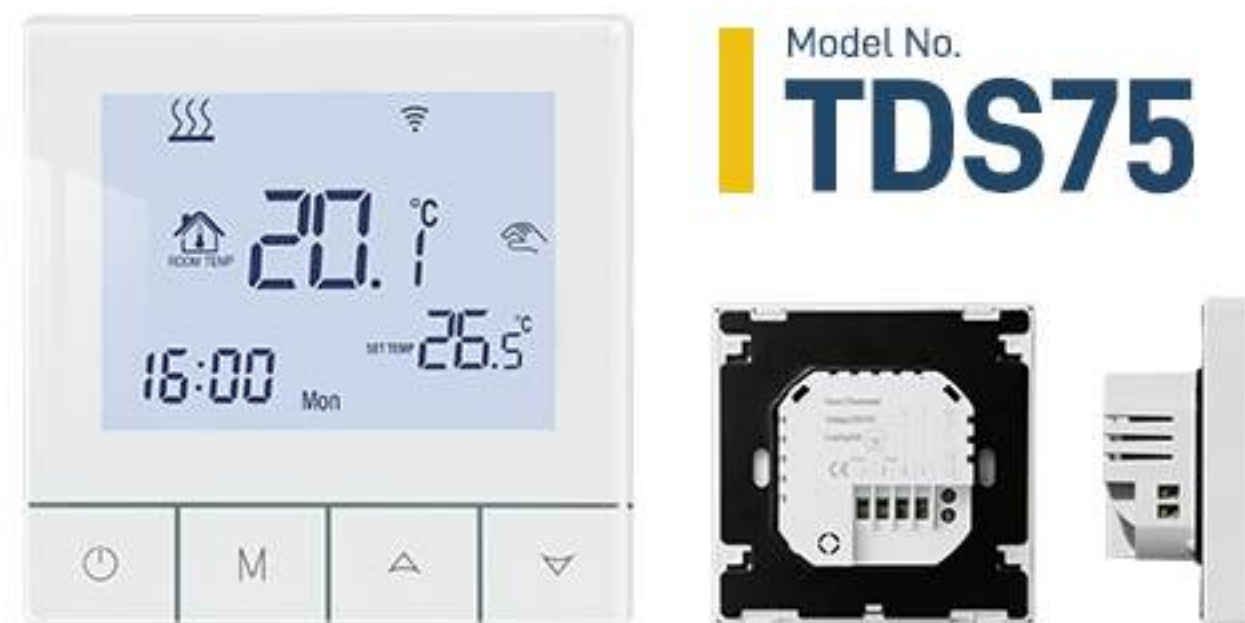
Model No.

TDS72

86x86x13mm.
Frosted tactile shell with mechanical keys.

Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 200~240V	Electric Heating (16A)	Water Heating (3A)	Wi-Fi	External Sensor
TDS72-EP	✓	✓	✗	✗	✓
TDS72-WP	✓	✗	✓	✗	Optional
TDS72-WIFI-EP	✓	✓	✗	✓	✓
TDS72-WIFI-WP	✓	✗	✓	✓	Optional



Model No.

TDS75

86x86x15mm.
Glossy panel with touch keys.

Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 200~240V	Electric Heating (16A)	Water Heating (3A)	Wi-Fi	External Sensor
TDS75-EP	✓	✓	✗	✗	✓
TDS75-WP	✓	✗	✓	✗	Optional
TDS75-WIFI-EP	✓	✓	✗	✓	✓
TDS75-WIFI-WP	✓	✗	✓	✓	Optional



Model No.

TGT79

86x86x15mm.
Glossy panel with touch keys. Negative display screen.

Selection Table

Model	Power Supply	Application		Recmote Control	Additional
	AC 200~240V	Electric Heating (16A)	Water Heating (3A)	Wi-Fi	External Sensor
TGT79-EP	✓	✓	✗	✗	✓
TGT79-WP	✓	✗	✓	✗	Optional
TGT79-WIFI-EP	✓	✓	✗	✓	✓
TGT79-WIFI-WP	✓	✗	✓	✓	Optional

BEOK Underfloor Heating Thermostat

Model No. **TC38** 86x86x15mm. 2 colors optional. White: glossy panel with silver touch keys. Black: dark mirrored panel with silver touch keys.

Work with Tuya apps or BEOK Home    | iOS & Android

Support smart speakers   



TCW38



TCB38



Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
Water heater 3A
Electric heater 16A

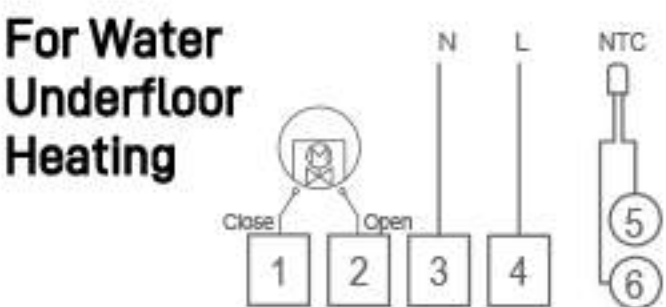
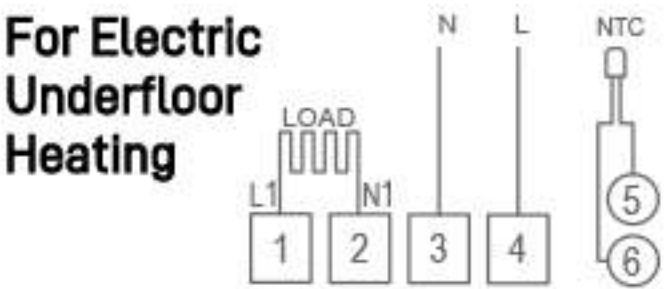
External material
PC+ABS (flame retardant)

Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)
Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram




Suitable for standard 86mm junction box or European 60mm box.

Selection Table

Model	Power Supply	Application		Remote Control	Additional
	AC 200~240V	Electric Heating(16A)	Water Heating(3A)	Wi-Fi	External Sensor
TCW38-EP / TCB38-EP	✓	✓	✗	✗	✓
TCW38-WP / TCB38-WP	✓	✗	✓	✗	Optional
TCW38-WIFI-EP / TCB38-WIFI-EP	✓	✓	✗	✓	✓
TCW38-WIFI-WP / TCB38-WIFI-WP	✓	✗	✓	✓	Optional

Gas Boiler Thermostat

There are two types of gas boiler thermostats, wired and wireless.

Wired Thermostat for Gas Boiler



Wireless RF Thermostat for Gas Boiler



Gas Boiler Thermostat

There are two types of gas boiler thermostats, wired and wireless.

Wired

Thermostat for Gas Boiler

The thermostat is connected directly to the boiler.

Gas boiler with dry contact

⚡ AC 230 V



Passive connection

Model No.

TOL47-WPB



86x86x14mm. Frosted case with large anti-reflective LCD screen. 5 mechanical keys.

Work with Tuya apps  | iOS & Android

Support smart speakers   



Technical Data

Power supply

AC100~240V; 50/60Hz

Load current

3A

External material

PC+ABS (flame retardant)

Working environment

-5~50°C

Set temp. range

5~95°C (default 60°C)

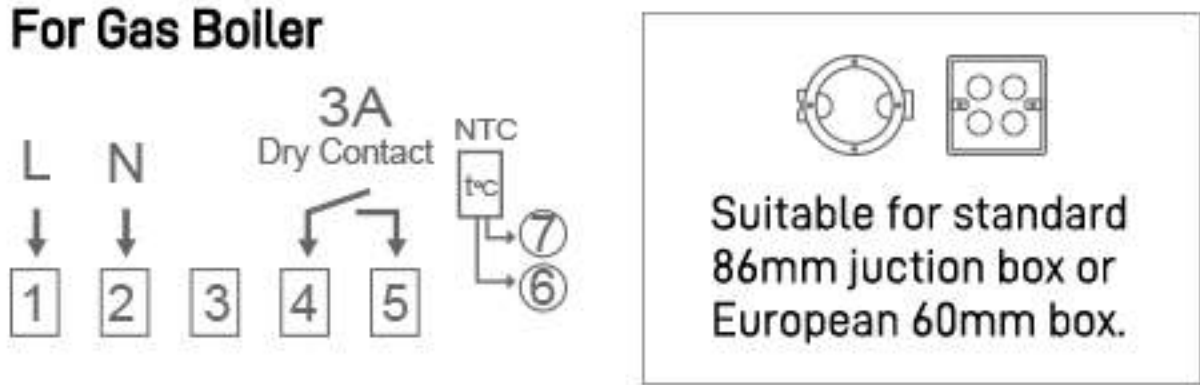
Temperature hysteresis

±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor

NTC

Wiring Diagram



Model No.

TGM50-WPB

86x86x12.5mm. Frosted one-piece body with touch keys.

Work with Tuya apps



iOS & Android

 Zigbee Model Optional

Support smart speakers









Technical Data

Power supply
AC100~240V; 50/60Hz

Load current
3A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor
NTC

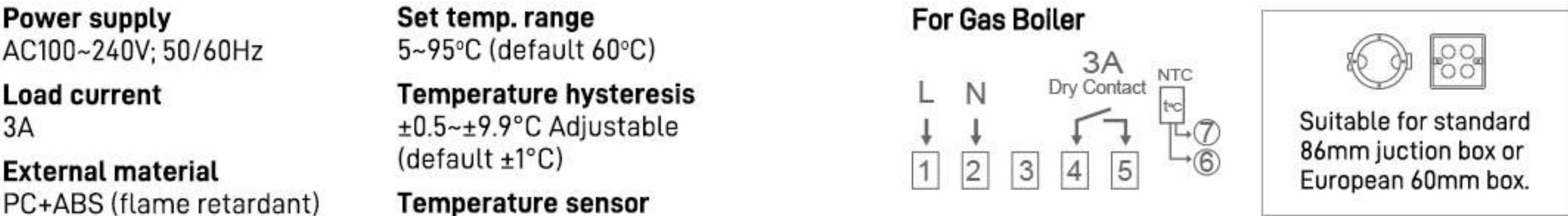
Special Feature



Open-window Detection

This thermostat stops heating when there is a sudden drop in room temperature to minimize wasted energy due to open windows.

Wiring Diagram



Selection Table

Model	Power Supply	Application	Recmote Control		Additional
	AC 100~240V	Gas Boiler	Wi-Fi	Zigbee	External Sensor
TGM50-WPB	✓	✓	✗	✗	✗
TGM50-WIFI-WPB	✓	✓	✓	✗	✗
TGM50-ZB-WPB	✓	✓	✗	✓	✗
TGM50B-WPB	✓	✓	✗	✗	✗
TGM50B-WIFI-WPB	✓	✓	✓	✗	✗
TGM50B-ZB-WPB	✓	✓	✗	✓	✗

TGP5 Series Boiler Thermostats

Work with Tuya apps  | iOS & Android

Support smart speakers   

Technical Data

Power supply

AC100~240V; 50/60Hz

Load current

3A

External material

PC+ABS (flame retardant)

Working environment

-5~50°C

Set temp. range

5~95°C (default 60°C)

Temperature hysteresis

±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor

NTC



Wiring Diagram

For Gas Boiler



Suitable for standard
86mm junction box or
European 60mm box.



TGP53-WPB



TGP508-WPB



Model No.
TGP53-WPB



86x86x13mm.

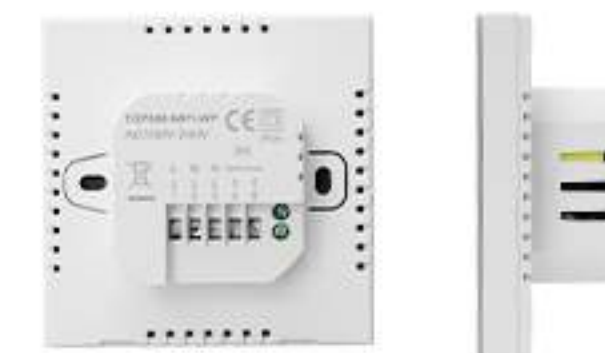
Glass screen, 3 subtle shiny silver physical buttons with icons that light up when woken up.

Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 100~240V	Gas Boiler	Wi-Fi	External Sensor
TGP53-WPB	✓	✓	✗	✗
TGP53-WIFI-WPB	✓	✓	✓	✗



Model No.
TGP508-WPB



86x86x14mm.

3 vertically distributed touch keys.

Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 100~240V	Gas Boiler	Wi-Fi	External Sensor
TGP508-WPB	✓	✓	✗	✗
TGP508-WIFI-WPB	✓	✓	✓	✗

Model No.

TGP51G-WPB 86x86x13mm. Glass screen, 4 touch keys with silver icons.

Work with Tuya apps or BEOK Home    | iOS & Android

Support smart speakers   



Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

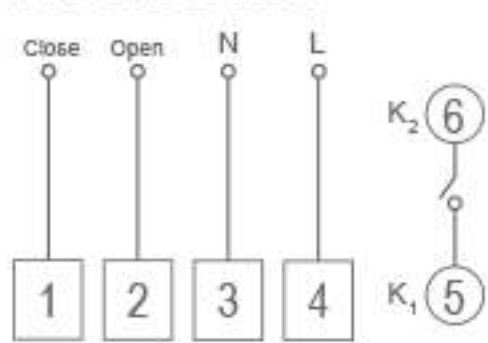
Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram

For Gas Boiler



Suitable for standard
86mm junction box or
European 60mm box.

Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TGP51G-WPB	✓	✓	✗	✗
TGP51G-WIFI-WPB	✓	✓	✓	✗

Model No.
TGW60-WPB

86x86x12.5mm. LCD glass display with touch keys.
2 colors optional.

Work with Tuya apps  | iOS & Android

Support smart speakers   



TGW60W-WPB



TGW60B-WPB



Technical Data

Power supply
AC100~240V; 50/60Hz

Load current
3A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

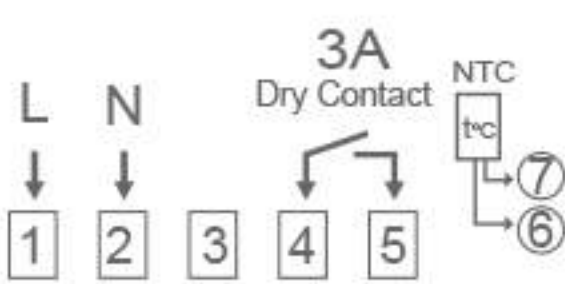
Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram

For Gas Boiler




Suitable for standard
86mm junction box or
European 60mm box.

Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 100~240V	Gas Boiler	Wi-Fi	External Sensor
TGW60W-WPB	✓	✓	✗	✗
TGW60W-WIFI-WPB	✓	✓	✓	✗
TGW60B-WPB	✓	✓	✗	✗
TGW60B-WIFI-WPB	✓	✓	✓	✗

TDR8 Series Gas Boiler Thermostats

Work with Tuya apps  | iOS & Android

Support smart speakers   

Technical Data

Power supply

AC100~240V; 50/60Hz

Load current

3A

External material

PC+ABS (flame retardant)

Working environment

-5~50°C

Set temp. range

5~95°C (default 60°C)

Temperature hysteresis

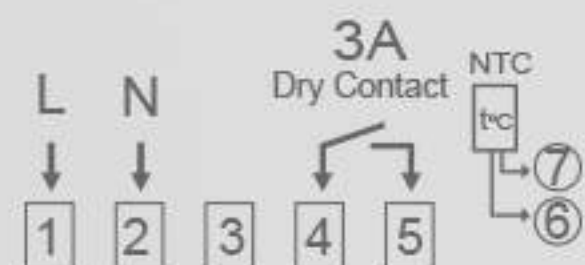
±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor

NTC

Wiring Diagram

For Gas Boiler



Suitable for standard 86mm junction box or European 60mm box.



TGR85-WPB



TDR83-WPB



TGR86-WPB



TDR89-WPB

Model No. **TGR85-WPB** 86x90x14mm.
Glass mirror surface with touch keys.

 **zigbee** | Zigbee Model Optional



Selection Table

Model	Power Supply	Application	Recmote Control		Additional
	AC 100~240V		Wi-Fi	Zigbee	
TGR85-WPB	✓	✓	✗	✗	✗
TGR85-WIFI-WPB	✓	✓	✓	✗	✗
TGR85-ZB-WPB	✓	✓	✗	✓	✗

Model No. **TDR83-WPB** 86x86x18mm.
Touch keys. 2 colors optional.



TDR83W-WPB

TDR83B-WPB

Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 100~240V			
TDR83W-WPB	✓	✓	✗	✗
TDR83W-WIFI-WPB	✓	✓	✓	✗
TDR83B-WPB	✓	✓	✗	✗
TDR83B-WIFI-WPB	✓	✓	✓	✗

Model No. **TGR86-WPB** 86x90x14mm.
Glass mirror surface with touch keys.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 100~240V	Gas Boiler	Wi-Fi	External Sensor
TGR86-WPB	✓	✓	✗	✗
TGR86-WIFI-WPB	✓	✓	✓	✗

Model No. **TDR89-WPB** 86x86x14mm. 2 colors optional. TDR89W: white backlight with silver touch keys. TDR89B: negative display with touch keys that glows red when woken up.

 **zigbee** | Zigbee Model Optional



TDR89W-WPB



TDR89B-WPB

Selection Table

Model	Power Supply	Application	Recmote Control		Additional
	AC 100~240V	Gas Boiler	Wi-Fi	Zigbee	External Sensor
TDR89W-WPB	✓	✓	✗	✗	✗
TDR89W-WIFI-WPB	✓	✓	✓	✗	✗
TDR89W-ZB-WPB	✓	✓	✗	✓	✗
TDR89B-WPB	✓	✓	✗	✗	✗
TDR89B-WIFI-WPB	✓	✓	✓	✗	✗
TDR89B-ZB-WPB	✓	✓	✗	✓	✗

Wired

TS4-WPB

TS4W: Glossy white touch key area.

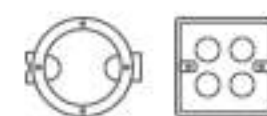
TS4G: Frosted gray touch key area.



iOS & Android



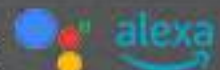
Temperature sensor
NTC



Model	Power Supply	Application	Recmote Control	Additional
	AC 100~240V	Gas Boiler	Wi-Fi	External Sensor
TS4W-WPB	✔	✔	✖	✖
TS4W-WIFI-WPB	✔	✔	✔	✖
TS4G-WPB	✔	✔	✖	✖
TS4G-WIFI-WPB	✔	✔	✔	✖

TDS Series Gas Boiler Thermostats

Work with Tuya apps or BEOK Home  | iOS & Android

Support smart speakers 

Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC



Wiring Diagram

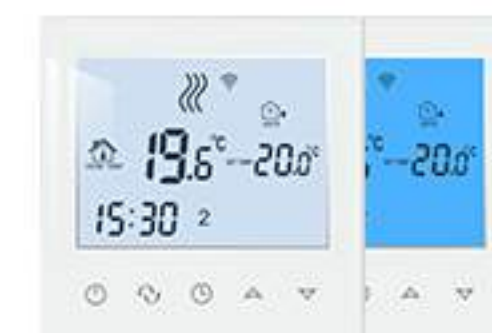
For Gas Boiler



Suitable for standard
86mm junction box or
European 60mm box.



TGT70-WPB



TDS21-WPB



TDS23-WPB



BOT-313WIFI

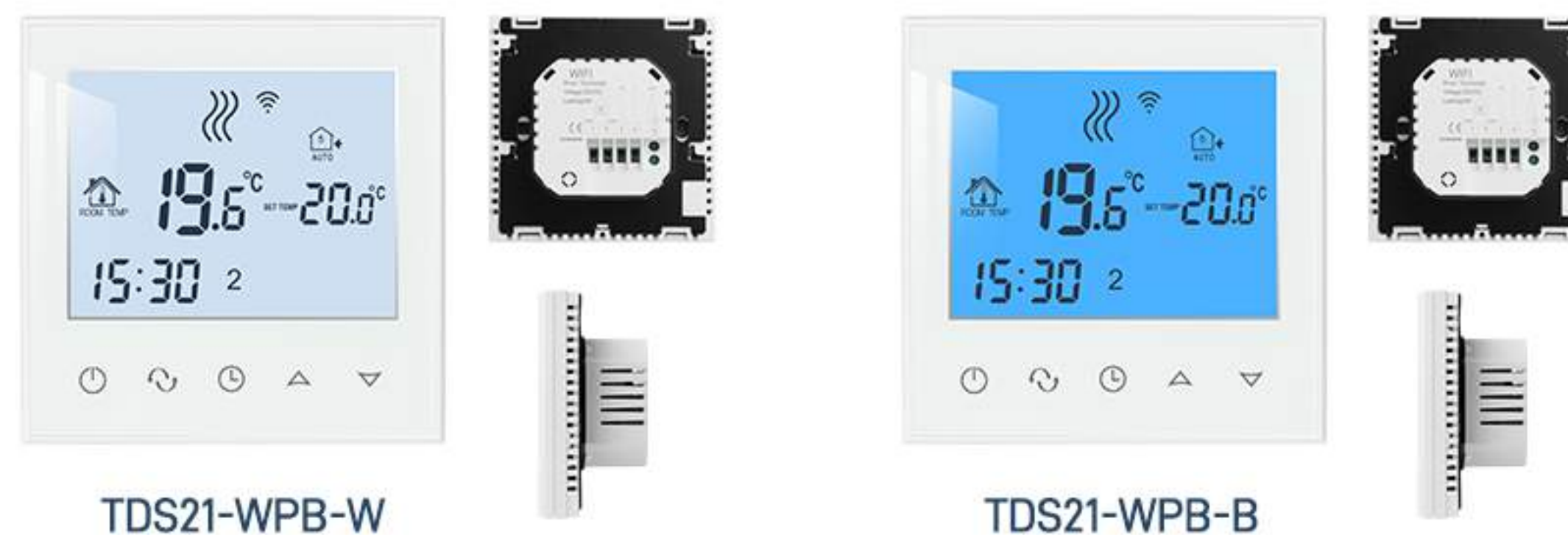
Model No.
TGT70-WPB 86x86x16mm.
 Glass screen
 with touch keys.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TGT70-WPB	✓	✓	✗	✗
TGT70-WIFI-WPB	✓	✓	✓	✗

Model No.
TDS21-WPB 86x86x16mm.
 Touch keys. 2 backlight colors optional



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TDS21-WPB-W	✓	✓	✗	✗
TDS21-WIFI-WPB-W	✓	✓	✓	✗
TDS21-WPB-B	✓	✓	✗	✗
TDS21-WIFI-WPB-B	✓	✓	✓	✗

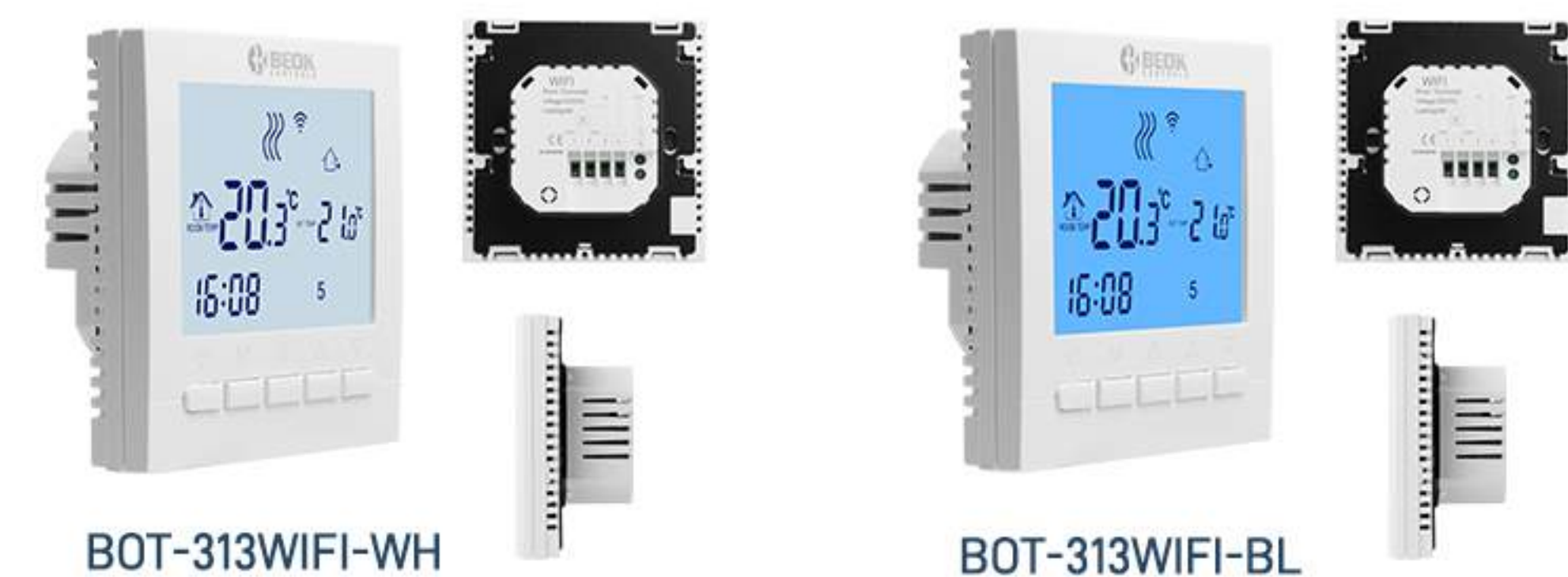
Model No. **TDS23-WPB** 86x86x16mm.
Touch keys. 2 backlight colors optional.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TDS23-WPB-W	✓	✓	×	×
TDS23-WIFI-WPB-W	✓	✓	✓	×
TDS23-WPB-B	✓	✓	×	×
TDS23-WIFI-WPB-B	✓	✓	✓	×

Model No. **BOT-313WIFI** 86x86x16mm.
5 Mechanical keys. 2 backlight colors optional.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
BOT-313WIFI-WH	✓	✓	✓	×
BOT-313WIFI-BL	✓	✓	✓	×

TDS7 Series Gas Boiler Thermostats

Work with Tuya apps  | iOS & Android

Support smart speakers   

Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram

For Gas Boiler



Suitable for standard
86mm junction box or
European 60mm box.



TDS72-WPB



TDS75-WPB



TGT79-WPB

Model No.
TDS72-WPB

86x86x13mm.
Frosted tactile shell with mechanical keys.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TDS72-WPB	✓	✓	✗	✗
TDS72-WIFI-WPB	✓	✓	✓	✗

Model No.
TDS75-WPB

86x86x15mm.
Glossy panel with touch keys.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TDS75-WPB	✓	✓	✗	✗
TDS75-WIFI-WPB	✓	✓	✓	✗

Model No.
TGT79-WPB

86x86x15mm.
Glossy panel with touch keys. Negative display screen.



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TGT79-WPB	✓	✓	✗	✗
TGT79-WIFI-WPB	✓	✓	✓	✗

Model No.

TC38-WPB

86x86x15mm. 2 colors optional. White: glossy panel with silver touch keys. Black: dark mirrored panel wiht silver touch keys.

Work with Tuya apps



iOS & Android

Support smart speakers





TCW38-WPB



TCB38-WPB



Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A

External material
PC+ABS (flame retardant)

Working environment
-5~50°C

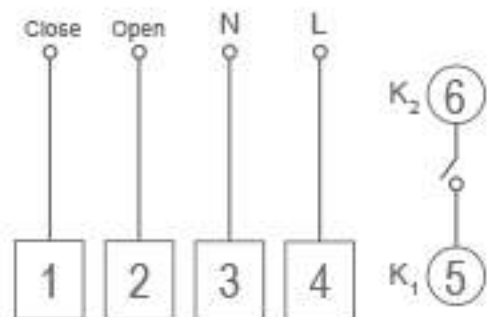
Set temp. range
5~95°C (default 60°C)

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

Wiring Diagram

For Gas Boiler





Suitable for standard 86mm junction box or European 60mm box.

Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	AC 200~240V	Gas Boiler	Wi-Fi	External Sensor
TCW38-WPB / TCB38-WPB	✓	✓	✗	✗
TCW38-WIFI-WPB / TCB38-WIFI-WPB	✓	✓	✓	✗

Model No.

BOT-323W

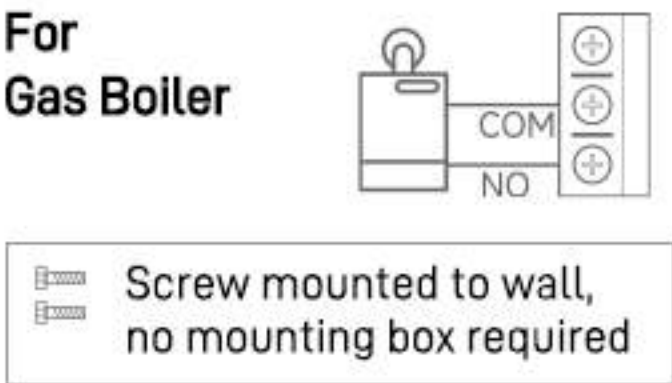
86x86x27mm. Touch keys. 2 backlight colors optional.



Technical Data

Power Supply 1.5V×2 (2 sections of 1.5V AA battery)	Limiting temp. range 5-99°C
Current Load 3A	Power Consumption <0.15W
Temp. control accuracy ±1°C	Temperature hysteresis ±0.5~±9.9°C Adjustable (default ±1°C)
Setting temp. range 5-99°C (factory default 5-35°C)	Temperature sensor NTC

Wiring Diagram



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	2 sections of 1.5V AA battery	Gas Boiler	Wi-Fi	External Sensor
BOT-323W-WH	✓	✓	✗	✗
BOT-323W-BL	✓	✓	✗	✗

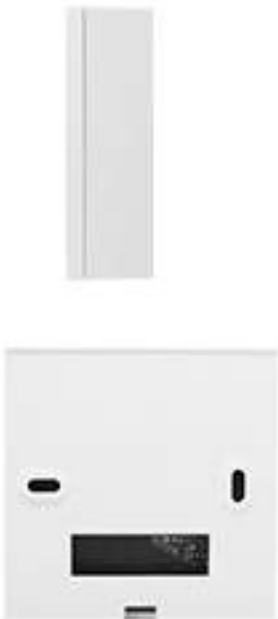
Model No.

BOT-313W

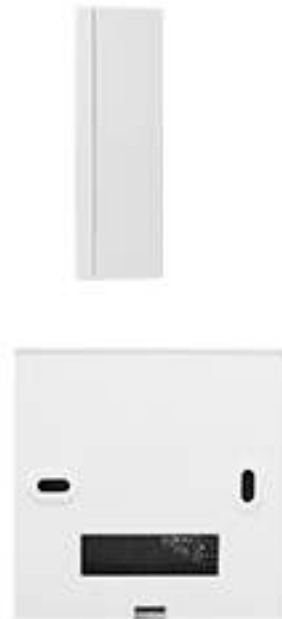
86x86x27mm. 5 mechanical keys. 2 backlight colors optional.



BOT-313W-WH



BOT-313W-BL



Technical Data

Power Supply
1.5V×2 (2 sections of 1.5V AA battery)

Current Load
3A

Temp. control accuracy
±1°C

Setting temp. range
5-99°C (factory default 5-35°C)

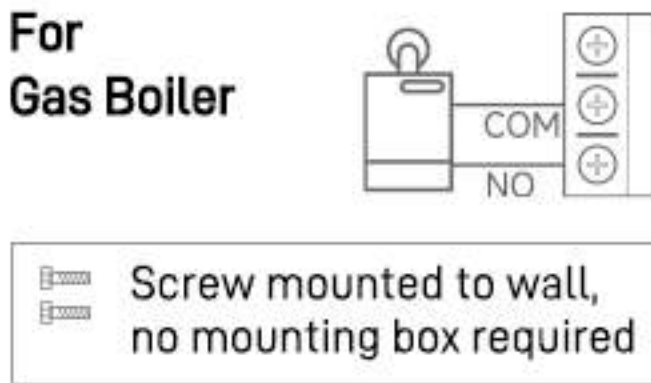
Limiting temp. range
5-99°C

Power Consumption
<0.15W

Temperature hysteresis
±0.5~±9.9°C Adjustable (default ±1°C)

Temperature sensor
NTC

Wiring Diagram



Selection Table

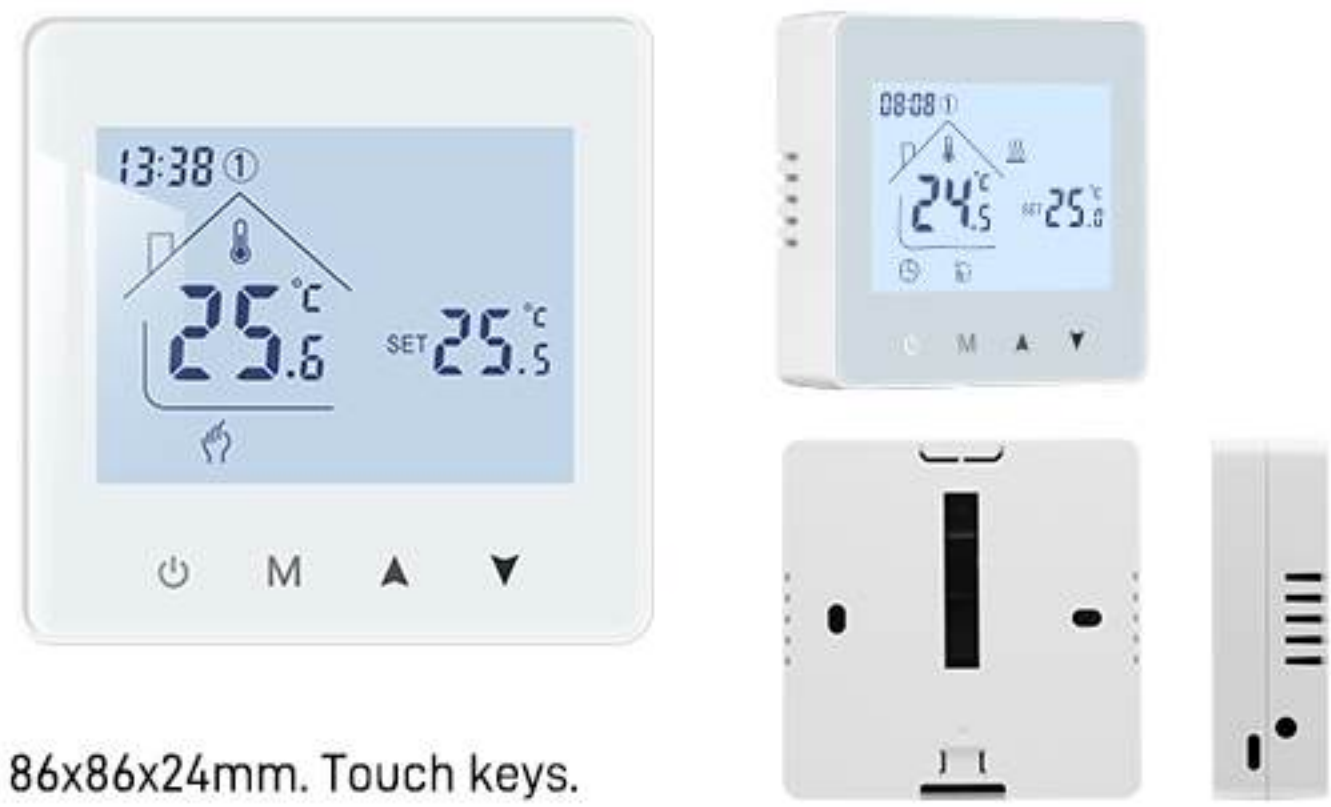
Model	Power Supply	Application	Recmote Control	Additional
	2 sections of 1.5V AA battery	Gas Boiler	Wi-Fi	External Sensor
BOT-313W-WH	✓	✓	✗	✗
BOT-313W-BL	✓	✓	✗	✗



Model No.

BOT-R6W





Technical Data

- Power supply

Three 1.5V AA batteries
- Current load

3A (Resistive)
- Temperature sensor

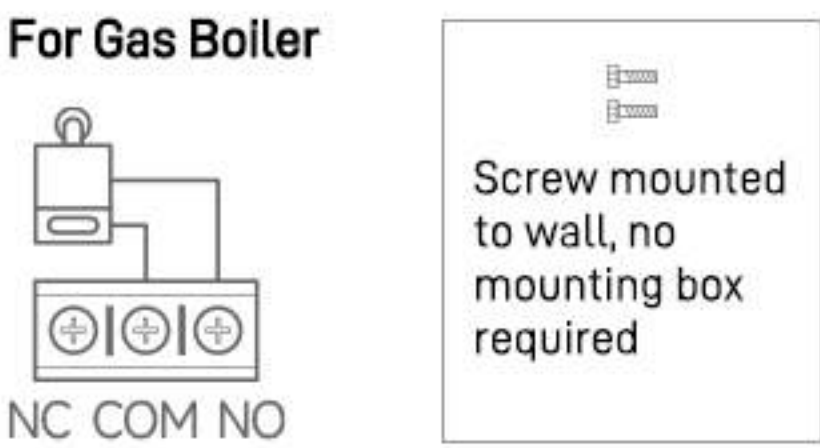
NTC
- Power consumption

<170 uW
- Temperature accuracy

±1°C
- Temperature hysteresis

±0.5~±9.9°C Adjustable (default ±1°C)

Wiring Diagram



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	3 sections of 1.5V AA battery	Gas Boiler	Wi-Fi	External Sensor
BOT-R6W	✓	✓	✗	✗



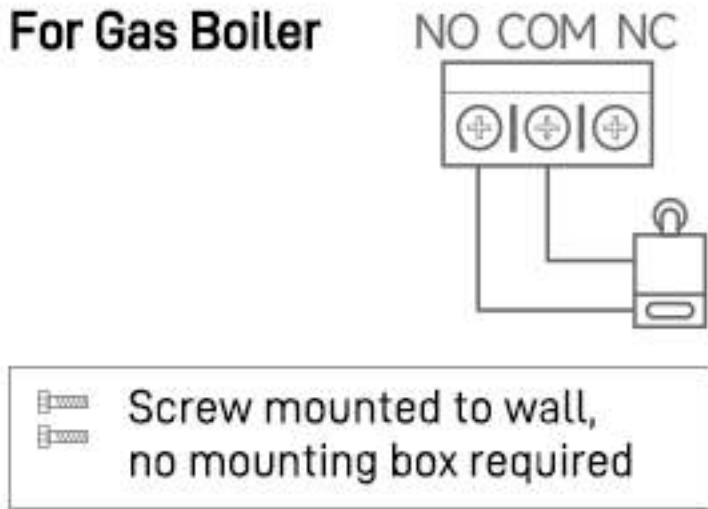
Model No.
BOT-W306  130x91x21mm.
Touch keys.



Technical Data

Power Supply Two 1.5V AA batteries	Temp. control accuracy 0.5-5°C
Current Load 3A	Sensing Element NTC
Power Consumption <0.15W	Temperature hysteresis ±0.5~±9.9°C Adjustable (default ±1°C)
Setting temp. range 5-35°C	

Wiring Diagram



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	2 sections of 1.5V AA battery	Gas Boiler	Wi-Fi	External Sensor
BOT-W306	✓	✓	✗	✗

Model No.

BOT-R9V-WIFI

86x86x24mm.
Touch keys.

Work with Tuya apps



iOS & Android

Support smart speakers





Technical Data

Power Supply
3 X 1.5V AA batteries

Current Load
3A

Power Consumption
<0.15W

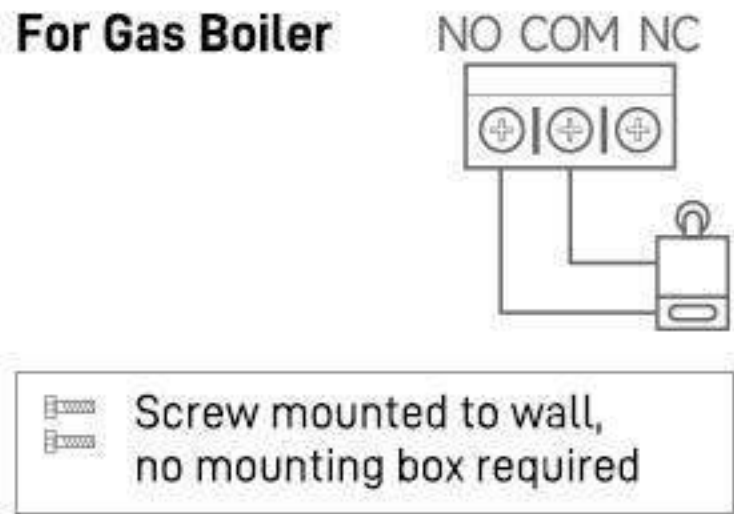
Setting temp. range
5-99°C

Temp. control accuracy
0.5-5°C

Sensing Element
NTC

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Wiring Diagram



Selection Table

Model	Power Supply	Application	Recmote Control	Additional
	3 sections of 1.5V AA battery	Gas Boiler	Wi-Fi	External Sensor
BOT-R9V-WIFI	✓	✓	✓	✗



Gas Boiler Thermostat

There are two types of gas boiler thermostats, wired and wireless.

Wireless Thermostat for Gas Boiler

The receiver is connected to the boiler and the thermostat is wirelessly connected to the receiver via RF.

Gas boiler
with dry contact

⚡ AC 230V



Passive
connection

3 Batteries



BEOK Gas Boiler Thermostat **Wireless**

Model No.
BOT-R7-X 

Thermostat 118x86x24mm. Receiver 94x85x27mm.
Touch keys and knob adjustment.

Work with Tuya apps  | iOS & Android | Support smart speakers   



BOT-R7W-X



BOT-R7B-X



Mounting Options

Can be wall-mounted or placed on a tabletop.

Technical Data

Power Supply
Thermostat: 1.5V×3 (3 sections of 1.5V AA battery)
Receiver: 110~220 VAC

Current Load
3A

Temp. control accuracy
±1°C

Setting temp. range
5-99°C (factory default 5-35°C)

Limiting temp. range
5-99°C

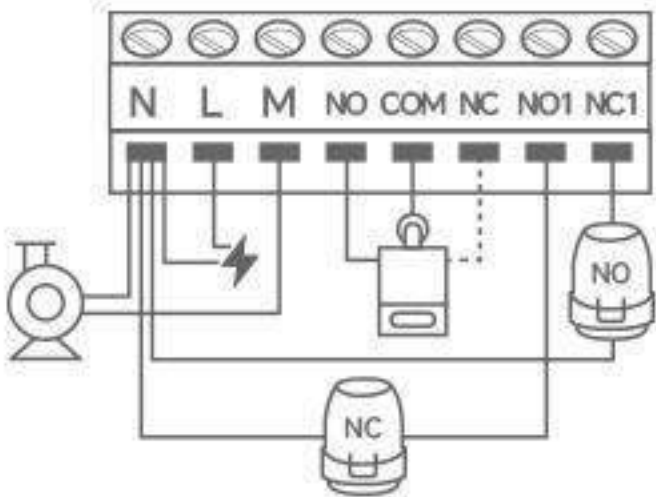
Power Consumption
<0.15W

Temperature hysteresis
±0.5~±9.9°C Adjustable (default ±1°C)

Sensing Element
NTC

Wiring Diagram of the Receiver

For Gas Boiler



Selection Table

Model	Power Supply			Application	Remote Control	Additional
	<Thermostat> USB type C (5V)	<Thermostat> 3 X 1.5V AA battery	<Receiver> AC 230V			
BOT-R7W-X	✓	✓	✓	✓	✗	✗
BOT-R7B-X	✓	✓	✓	✓	✗	✗
BOT-R7W-X-WIFI	✓	✓	✓	✓	✓	✗
BOT-R7B-X-WIFI	✓	✓	✓	✓	✓	✗

BOT-306 Series Gas Boiler Thermostats



Model No.

BOT-306RF-WIFI

Thermostat: 130x100x100mm (Dimensions after installation with holder). Touch keys.
Receiver: 85x85x28mm.

Work with Tuya apps or BEOK Home
 | iOS & Android

Support smart speakers 



Model No.

BOT-X306

Thermostat: 130x91x21mm. Touch keys.
Receiver: 85x85x28mm.





Technical Data

Working Voltage
Thermostat: USB type C (5V)
Receiver: 220V

Current Load
3A

Consumption
<0.3W

Temp. control accuracy
0.5-5°C

Setting temp. range
5-35°C

Selection Table

Model	Power Supply		Application	Remote Control	Additional
	<Thermostat> USB type C (5V)	<Receiver> AC 230V			
BOT-306RF-WIFI	✓	✓	✓	✓	✗



Technical Data

Working Voltage
Thermostat: Two 1.5V AA batteries.
Receiver: 220V

Current Load
3A

Consumption
<0.3W

Temp. control accuracy
0.5-5°C

Setting temp. range
5-35°C

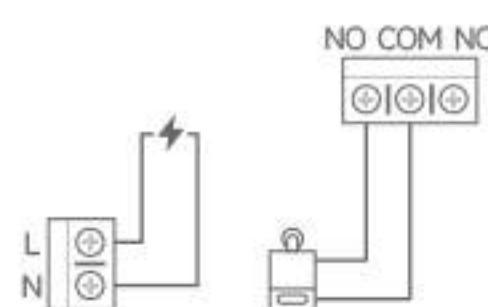
Selection Table

Model	Power Supply		Application	Remote Control
	<Thermostat> 2 X 1.5V AA battery	<Receiver> AC 230V		
BOT-X306	✓	✓	✓	✗

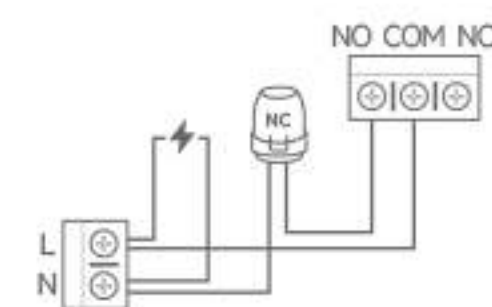


Wiring Diagram of the Receiver

Connect to Boiler



Connect to Actuator



Screw mounted to wall,
no mounting box required

BEOK Gas Boiler Thermostat **Wireless**



Model No.
BOT-R6X

Thermostat: 86x102x78mm (Dimensions after installation with holder). Touch keys. Receiver: 94x85x27mm.

Work with Tuya apps | iOS & Android

Support smart speakers

Technical Data

Power supply
Thermostat: three 1.5V AA batteries or USB powered (Type C)
Receiver: 110~220 VAC

Current load
3A (Resistive)

Temperature sensor
NTC

Temperature accuracy
 $\pm 1^{\circ}\text{C}$
Power consumption
<170 μW
Temperature hysteresis
 $\pm 0.5 \sim \pm 9.9^{\circ}\text{C}$ Adjustable (default $\pm 1^{\circ}\text{C}$)

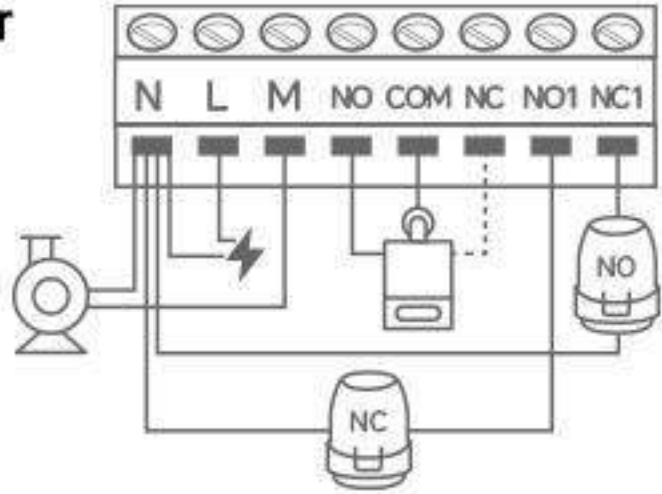


Can be wall-mounted or placed on a tabletop.



Wiring Diagram of the Receiver

For Gas Boiler

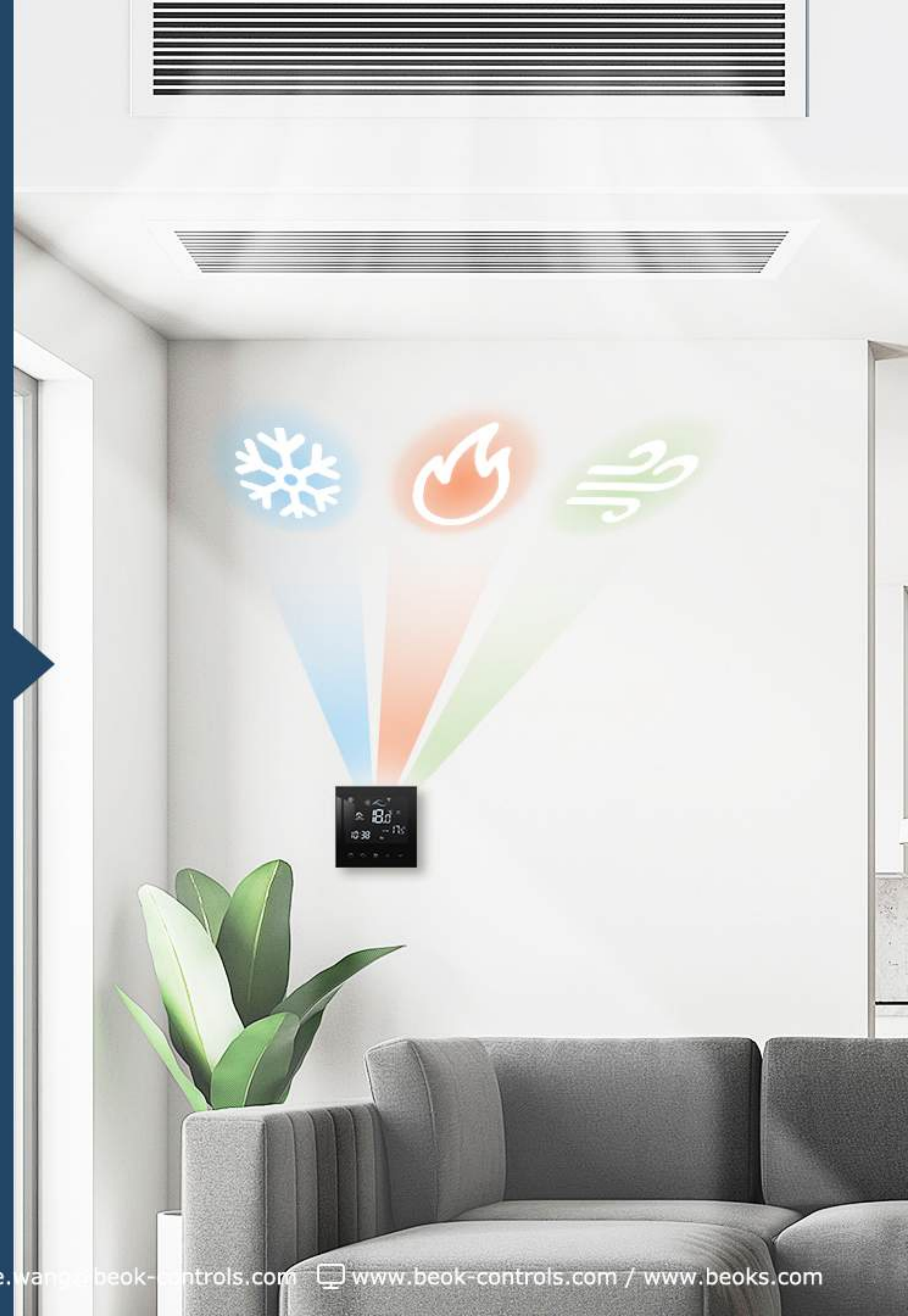


Selection Table

Model	Power Supply			Application	Remote Control
	<Thermostat> USB type C (5V)	<Thermostat> 3 X 1.5V AA battery	<Receiver> AC 230V		
BOT-R6X	✓	✓	✓	✓	✗
BOT-R6X-WIFI	✓	✓	✓	✓	✓

Fan Coil Thermostat

Fan coil thermostats are divided into four-control and two-control.



TDS Series Thermostats

Work with Tuya apps or BEOK AC    | iOS & Android

Support smart speakers  

Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A~5A

External material
PC+ABS (flame retardant)

Power consumption
<0.5W

Set temp. range
10~40°C

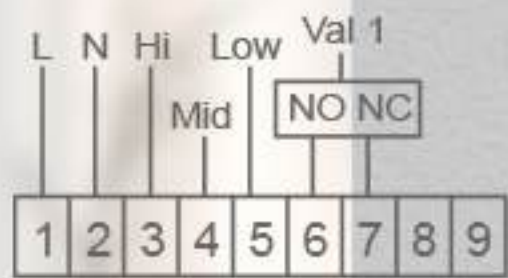
Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

Temperature sensor
NTC

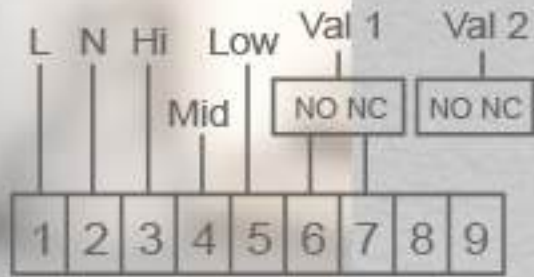


Wiring Diagram

**For 2-controls
Fan Coil**



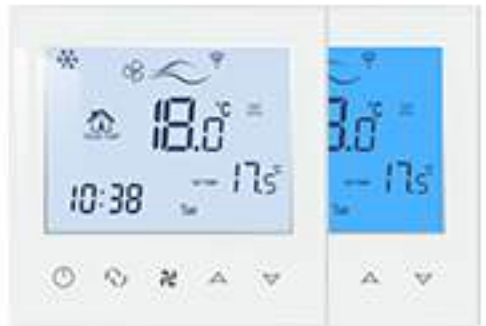
**For 4-controls
Fan Coil**



Suitable for
standard 86mm
junction box or
European
60mm box.



TGT70-AC



TDS21-AC



TDS23-AC

Model No.
TGT70-AC

86x86x16mm.
Glass screen with touch keys.

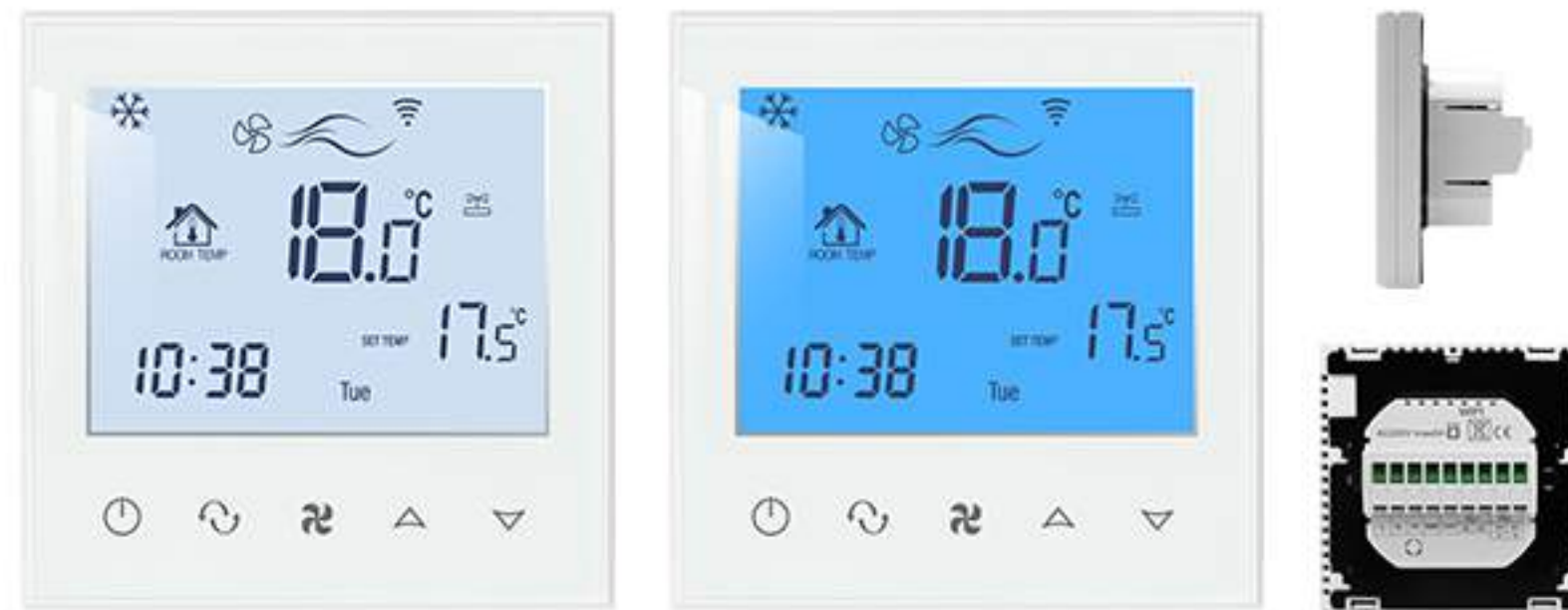


Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TGT70-AC2	✓	✓	✗	✗
TGT70-WIFI-AC2	✓	✓	✗	✓
TGT70-AC4	✓	✗	✓	✗
TGT70-WIFI-AC4	✓	✗	✓	✓

Model No.
TDS21-AC

86x86x15mm.
Glossy panel with touch keys.



TDS21-AC-WW

TDS21-AC-BL

Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TDS21-AC2-WW	✓	✓	✗	✗
TDS21WIFI-AC2-WW	✓	✓	✗	✓
TDS21-AC2-BL	✓	✓	✗	✗
TDS21WIFI-AC2-BL	✓	✓	✗	✓
TDS21-AC4-WW	✓	✗	✓	✗
TDS21WIFI-AC4-WW	✓	✗	✓	✓
TDS21-AC4-BL	✓	✗	✓	✗
TDS21WIFI-AC4-BL	✓	✗	✓	✓

Model No.
TDS23-AC

86x86x15mm.
Glossy panel with touch keys.



TDS23-AC-WW

TDS23-AC-BL

Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TDS23-AC2-WW	✓	✓	✗	✗
TDS23WIFI-AC2-WW	✓	✓	✗	✓
TDS23-AC2-BL	✓	✓	✗	✗
TDS23WIFI-AC2-BL	✓	✓	✗	✓
TDS23-AC4-WW	✓	✗	✓	✗
TDS23WIFI-AC4-WW	✓	✗	✓	✓
TDS23-AC4-BL	✓	✗	✓	✗
TDS23WIFI-AC4-BL	✓	✗	✓	✓

BEOK Fan Coil Thermostat



Model No.
TGP51G-AC



86x86x13mm. Glass screen, 4 touch keys with silver icons.

Work with Tuya apps or BEOK AC  | iOS & Android

Support smart speakers 

Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A~5A

External material
PC+ABS (flame retardant)

Accuracy
±1°C

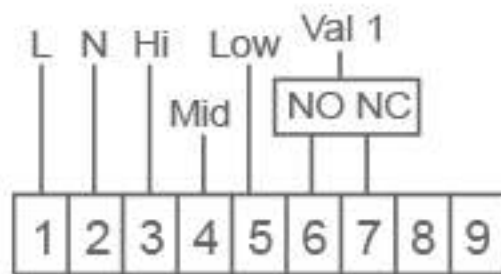
Set temp. range
10~40°C

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

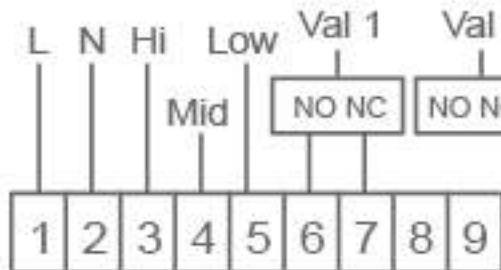
Temperature sensor
NTC

Wiring Diagram

For 2-controls
Fan Coil



For 4-controls
Fan Coil



Suitable for
standard 86mm
junction box or
European
60mm box.

Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TGP51G-AC2	✓	✓	✗	✗
TGP51G-WIFI-AC2	✓	✓	✗	✓
TGP51G-AC4	✓	✗	✓	✗
TGP51G-WIFI-AC4	✓	✗	✓	✓



Shine Wang



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www.beok-controls.com / www.beoks.com

Model No.
TOL43-AC 86x86x13.3mm..Large LCD screen with mechanical keys.



TOL43-AC-W



TOL43-AC-B



Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A~5A

External material
PC+ABS (flame retardant)

Accuracy
±1°C

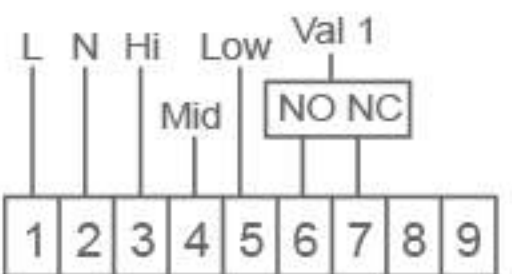
Set temp. range
10~40°C

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

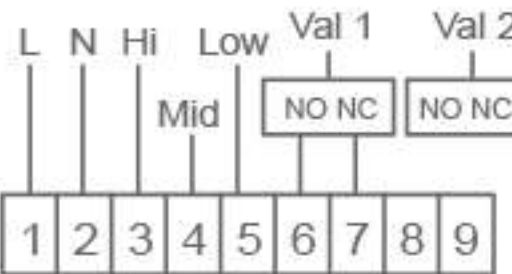
Temperature sensor
NTC

Wiring Diagram

For 2-controls
Fan Coil



For 4-controls
Fan Coil




Suitable for
standard 86mm
junction box or
European
60mm box.

Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TOL43-AC2-W	✓	✓	✓	✗
TOL43-AC2-B	✓	✓	✓	✗
TOL43-AC4-B	✓	✗	✗	✗
TOL43-AC4-W	✓	✗	✗	✗

Model No.
TOL63R-AC

86x86x13.3mm. Large LCD screen with mechanical keys.



TOL63R-AC-W



TOL63R-AC-B



Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A~5A

External material
PC+ABS (flame retardant)

Accuracy
±1°C

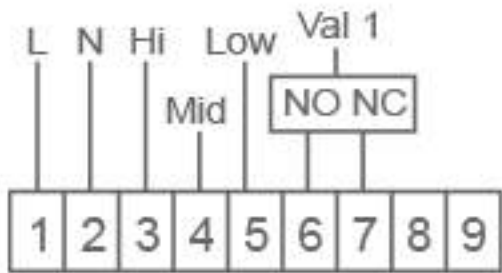
Set temp. range
10~40°C

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

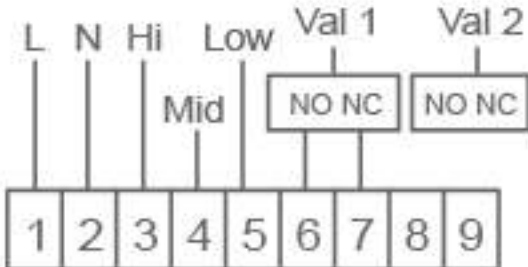
Temperature sensor
NTC

Wiring Diagram

**For 2-controls
Fan Coil**



**For 4-controls
Fan Coil**



Suitable for
standard 86mm
junction box or
European
60mm box.

Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TOL63R-AC2-W	✓	✓	✗	✗
TOL63R-AC2-B	✓	✓	✗	✗
TOL63R-AC4-W	✓	✗	✓	✗
TOL63R-AC4-B	✓	✗	✓	✗

BEOK Fan Coil Thermostat

Model No.
TOL313-AC

86x86x13.3mm. Large LCD screen with mechanical keys.

Work with Tuya apps or BEOK AC    | iOS & Android

Support smart speakers  alexa



TOL313-AC-W



TOL313-AC-B

Technical Data

Power supply
AC200~240V; 50/60Hz

Load current
3A~5A

External material
PC+ABS (flame retardant)

Accuracy
±1°C

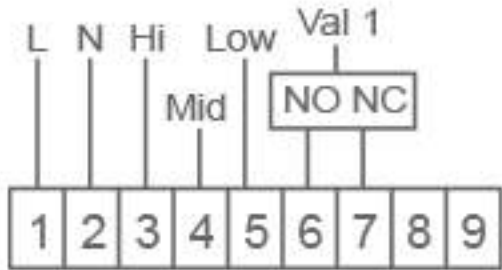
Set temp. range
10~40°C

Temperature hysteresis
±0.5~±9.9°C Adjustable
(default ±1°C)

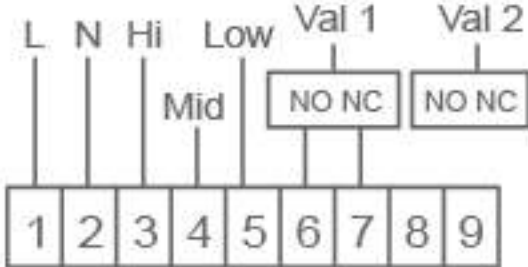
Temperature sensor
NTC

Wiring Diagram

For 2-controls
Fan Coil



For 4-controls
Fan Coil



Suitable for
standard 86mm
junction box or
European
60mm box.

Selection Table

Model	Power Supply	Application		Recmote Control
	AC 200~240V	2-pipe Fan Coil	4-pipe Fan Coil	Wi-Fi
TOL313-AC2-W	✓	✓	✗	✗
TOL313-WIFI-AC2-W	✓	✓	✗	✓
TOL313-AC4-W	✓	✗	✓	✗
TOL313-WIFI-AC4-W	✓	✗	✓	✓
TOL313-AC2-B	✓	✓	✗	✗
TOL313-WIFI-AC2-B	✓	✓	✗	✓
TOL313-AC4-B	✓	✗	✓	✗
TOL313-WIFI-AC4-B	✓	✗	✓	✓



Beok Controls

